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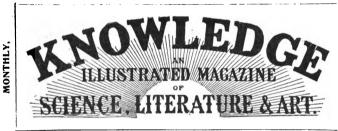
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- Bose, Prof. J. C.—The Response of Inorganic Matter to Stimulus.—
 Friday Evening Discourse, May 10.
 Proc. Royal Inst.
- On the Change of Conductivity of Metallic Particles under Cyclic Electromotive Variations.—Brit. Assoc. Reports, Sept., and Electrician, vol. xlv. 774, 864, 897.
- Hill, A. C.—A Method of Isolating Maltose when Mixed with Glucose.—Proc. Chem. Soc., vol. xvii. 45.
- Taka Diastase and Reversed Ferment Action.—Proc. Chem. Soc., xvii. 184.

- Hill, A. C.—Bemerkungen zur Arbeit von O. Emmerling synthetische Wirking der Hefeumaltose.—Ber. Deut. Chem. Gesel., xxxiv. 1380.
- Scott, Dr A.—Ammonium Bromide and the Atomic Weight of Nitrogen.—Jour. Chem. Soc., lxxix. 147.
- and W. Arbuckle.—The Preparation of Iodic Acid.—Proc. Chem. Soc., xvii. 2, and Jour. Chem. Soc., lxxix. 302.
- Wilderman, Dr M. On the Velocity of Reaction before Complete Equilibrium and before the Point of Transition. Part I. Phil. Mag. 2, 50, July.

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Capt. Creak, R.N., F.R.S.; Major L. Darwin; Hon, Sir C. W. Fremantle, K.C.B.; Prof. F. Gotch, F.R.S.; Prof. W. D. Halliburton, F.R.S.; Dr Keltie; Prof. E. R. Lankester, F.R.S.; Sir J. Norman Lockyer, K.C.B., F.R.S.; Sir O. J. Lodge, F.R.S.; Prof. A. Macalister, F.R.S.; Major MacMahon, F.R.S.; J. E. Marr, F.R.S.; Prof. W. H. Perkin, F.R.S.; Prof. J. Perry, F.R.S.; Sir W. H. Preece, K.C.B., F.R.S.; L. L. Price; A. C. Seward, F.R.S.; Prof. W. J. Sollas, F.R.S.; Prof. Tilden, F.R.S.; Prof. E. B. Tvlor, F.R.S.; Sir John Wolfe-Barry, K.C.B., F.R.S.

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General Treasurer: Prof. G. Carey Foster, F.R.S., Burlington House, London, W.

Membership,—Entrance Fee, £1; Annual Subscription, £1; Associates for the Meeting only, £1; Life Composition, £10.

Proceedings of the Seventy-first Annual Meeting. (Published in the "Report," price 24s.)

This Meeting was held at GLASGOW, Sept. 11-18, 1901.

The Seventy-second Annual Meeting was held at Belfast, Sept. 10-17, 1902. The List of Papers read at this Meeting (just concluded) will appear in next year's Year-Book,

General and Evening Meetings, 1901.

Sept. 11. Chair resigned by Sir William Turner, F.R.S. Presidential Address by Prof. A. W. Rucker, Sec. R.S.

Sept. 13. Discourse on "The Inert Constituents of the Atmosphere," by Prof. Ramsay, F.R.S.

Sept. 16. Discourse on "The Movements of Plants," by Mr Francis Darwin, F.R.S.

COMMITTEES APPOINTED BY THE GENERAL COMMITTEE AT THE GLASGOW MEETING IN SEPTEMBER 1900.

1. Receiving Grants of Money.

Making Experiments for Improving the construction of Practical Standards for

use in Electrical Measurements. Sec.—Dr R. T. Glazebrook. Grant.—£40. Seismological Observations. Sec.—Prof. J. Milne. Grant.—£35.

To co-operate with the Royal Meteorological ociety in initiating ociety in initiating an Investigation of the Upper Atmosphere by means of Kites. Sec.-Mr. W. H.

Dines. Grant.—£75.

To co-operate with the Committee of the Falmouth Observatory in their Magnetic Observations. Sec.—Dr. R. T. Glazebrook. Grant.—£80.

The Relation between the Absorption Spectra and Chemical Constitution of Organic Substances. Sec.—Prof. W. Noel Hartley. Grant.—£20.

Preparing a New Series of Wave-length Tables of the Spectra of the Elements.

Sec.—Dr Marshall Watts. Grant.—£5.

The Action of Gases dissolved in Metals and Alloys on their Properties.

Sec. - Dr T. K. Rose. Grant. -£40. The Collection, Preservation, and Systematic Registration of Photographs of Geological Interest. Sec.—Prof. W. W. Watts. Grant.—£5.

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To study Life Zones in the British Carboniferous Rocks. Sec. - Dr Wheelton Grant. -£10.

The Movements of Underground Waters of North-West Yorkshire. Sec.—Captain A. R. Dwerryhouse. [Balance in hand.]

To Explore Irish Caves. Sec.—Mr R. Lloyd Praeger. Grant.—£45.

To consider the Best Methods for the Registration of all Type Specimens of Fossils in the British Isles, and to report on the same. Sec. -Mr A. Smith Woodward. [Balance in hand.]

To enable Mr R. Gurney to work at Excretion in Crustacea, Mr. Wallace to investigate Viviparous Fishes, and to aid other competent investigators to carry on definite pieces of work at the Zoological Station at Naples. Sec.—Prof. G. B.

Howes. Grant. -£100.

To enable Mr R. C. Punnett to continue his investigations on the Pelvic Plexus of Elasmobranch fishes, and to enable other competent naturalists to perform definite pieces of work at the Marine Laboratory, Plymouth. Sec .- Mr W. Garstang. [Balance, £8 5s., in hand.]

Compilation of an Index Generum et Specierum Animalium. Sec. -Mr F. A.

Bather. Grant. -£100.

To work out the details of the Observations on the Migration of Birds at Lighthouses and Lightships, 1880-87. Sec.—Rev. E. P. Knubley. Grant.—£15.

To investigate the Structure, Formation, and Growth of the Coral Reefs of the

Indian Region. Sec.—J. Graham Kerr. Grant.—£50.
To enable Mr James Rankin to investigate Compound Ascidians of the Clyde area, and to enable other competent naturalists to perform definite researches in the Laboratory of the Marine Biological Association of the West of Scotland at Millport. Sec.—Dr J. F. Gemmill. Grant.—£25.
Terrestrial Surface Waves and Wave-like Surfaces. Sec.—Col. F. Bailey.

Grant. - £15.

The Economic Effect of Legislation regulating Women's Labour. Sec. - Mr.

A. L. Bowley. Grant. -£30.

To consider means by which better practical effect can be given to the Introduction of the Screw Gauge proposed by the Association in 1884. Sec.—Mr. W. A. Price. Grant.-£20.

To investigate the Resistance of Road Vehicles to Traction. Sec.—Prof. H. S.

Hele-Shaw. Grant. -£50.

To co-operate with the Silchester Excavation Fund Committee in their Explorations. Sec.—Mr John L. Myres. Grant.—£5.
To organise an Ethnological Survey of Canada. Sec.—Mr. C. Hill-Tout.

Grant.-£15.

To conduct Explorations with the object of ascertaining the Age of Stone Circles. Sec .- Mr H. Balfour. Grant. £30.

The Collection, Preservation, and Systematic Registration of Photographs of

Authropological Interest. Sec.—Mr J. L. Myres. [Balance in hand.]
The Present State of Anthropological Teaching in the United Kingdom and

elsewhere. Sec.-Mr H. Ling Roth. Grant.-£3.

To conduct Explorations at Knossos in Crete. Scc.-Mr J. L. Myres. Grant.-£100.

To conduct Anthropometric Investigations among the Native Troops of the Egyptian Army. Sec.—Mr C. S. Myers. Grant.—£15.

To co-operate with the Cardiff Naturalists' Society in its Excavations on the

Roman Site at Gelligaer. Sec.—Mr J. L. Myres. Grant.—£5.

To study the power of the Mammalian Heart for performing work under varying external conditions and under the influence of Drugs. Sec.—Mr T. Grigor Brodie. Grant. -£20.

The Changes occurring in Hæmoglobin and the Supposed Destruction of Red

Corpuseles in the Spieen. Sec.—Mr W. Brodie Brodie. Grant.—£15.

Investigation of the Cyanophyceæ. Sec.—Dr F. F. Blackman. Grant.—£10.

Investigation on the Respiration of Plants. Sec.—Mr H. Wager. Grant.—

To consider and report upon the influence exercised by Universities and Examining Bodies on Secondary School Curricula, and also of the Schools on University requirements. Sec. -Mr W. H. D. Rouse. Grant. -£5.

The Conditions of Health essential to the carrying on of the work of instruction in schools. Sec. - Mr E. White Wallis. Grant. -£2.

Corresponding Societies' Committee for the preparation of their Report. Sec.— Dr J. G. Garson. Grant. -£15.

2. Not receiving Grants of Money.

Radiation from a Source of Light in a Magnetic Field. Sec.—Mr W. E. Thrift. To establish a Meteorological Observatory on Mount Royal, Montreal. Sec.— Prof. C. H. McLeod.

Co-operating with the Scottish Meteorological Society in making Meteorological

Observations on Ben Nevis, Sec.—Prof. Crum Brown.

Comparing and Reducing Magnetic Observations. Sec. - Dr C. Chree.

The Rate of Increase of Underground Temperature downwards in various Localities of Dry Land and under Water. Sec.—Prof. J. D. Everett.

Considering the Best Methods of Recording the Direct Intensity of Solar Radiation. Sec.—Prof. H. McLeod.

That Miss Hardcastle be requested to draw up a Report on the Present State of the Theory of Point-Groups.

The Nature of Alloys. Sec.—Mr F. H. Neville.

Isomeric Naphthalene Derivatives. Sec.—Prof. H. E. Amstrong.

The Study of Isomorphous Sulphonic Derivatives of Benzene. Sec.—Prof. H. E. Armstrong.

To collect Statistics concerning the Trained Chemists employed in English Chemical Industries. Sec.—Dr G. G. Henderson.

To approach the Inland Revenue Commissioners to urge the desirability of

securing the use of pure alcohol duty free for the purposes of scientific research. Sec .- Prof. H. B. Dixon.

To investigate the Erratic Blocks of the British Isles, and to take measures for their Preservation. Sec.-Prof. P. F. Kendall.

To report upon the Present State of our knowledge of the Structure of Crystals.

Sec.-Prof. H. A. Miers. The Periodic Investigation of the Plankton and Physical Conditions of the

English Channel. Sec. -Mr. Walter Garstang. To continue the investigation of the Zoology of the Sandwich Islands. Dr David Sharp.

To promote the Systematic Collection of Photographic and other Records of Pedigree Stock. Sec.—Prof. W. F. R. Weldon

To examine the Natural History and Ethnography of the Malay Peninsula. Sec.—Mr W. Crooke.

The Lake Village at Glastonbury. Sec.—Mr. A. Bulleid.

To organise a Pigmentation Survey of the School Children of Scotland. Sec. -Mr J. Gray.

The Physiological Effects of Peptone and its Precursors when introduced into the Circulation. Sec.—Prof. W. H. Thompson.

The Micro-chemistry of Cells. Sec. - Prof. A. B. Macallum. Fertilisation in Phæophyceæ. Sec.—Prof. R. W. Phillips.

To consider and report upon a scheme for the Registration of Negatives of

Botanical Photographs. Sec.—Prof. F. E. Weiss.

The Teaching of Natural Science in Elementary Schools. Sec.—Prof. H. E.

Armstrong.

To report upon Improvements that might be effected in the teaching of Mathematics, in the first instance in the teaching of Elementary Mathematics, and upon such means as they think likely to effect such improvements. Sec.—Prof. J. Perry.

Resolution relating to Committee on Traction of Vehicles.

That in accordance with the Rules of the Association, the Committee on the Resistance of Road Vehicles to Traction be authorised to obtain further subscriptions in aid of its works.

Communications ordered to be printed in extenso.

The Clearing of Turbid Solutions. By Prof. Georg Quincke. The Polarisation of Electric Waves. By Prof. Georg Quincke. Note sur l'unité de pression. Par M. C. E. Guillaume.

Note on the Variation of the Specific Heat of Water. By Prof. H. L. Callendar,

On the Behaviour of Young Gulls artificially and naturally hatched. By Prof. J. Arthur Thomson.

Transactions of the Sections.*

Section A. Mathematical and Physical Science.

Address by the President, Major P. A. MACMAHON, D.Sc., F.R.S.

September 12.

Glazebrook, Dr R. T., F.R.S.—The Buildings of the National Physical Laboratory.

Gray, Prof. A., F.R.S. — On the Relation between Temperature and Internal Viscosities of Solids.

J. S. Dunlop, and A. Wood, --- On Elastic Fatigue, as shown by Metals and Woods.

Griffiths, E. H., F.R.S.—The Freezing Points of certain Dilute Solutions.

Quincke, Prof. G .- The Clearing of Turbid Solutions, and the Move-ment of small Suspended Particles, by the Influence of Light.

Ramsay, Prof. W., F.R.S., and G. Senter. Hydrostatic Pressure.

Department of Astronomy.

September 13.

Address by the Chairman, Prof. H. H. Turner, F.R.S.

Cortie, Rev. A. L.—The Drift in Longivert tude of Groups of Faculse on the Sun's Surface.

Forbes, G., F.R.S.—On the Position of a Planet beyond Neptune.

Hinks, A. R.—On the Possibility of Systematic Error in Photographs of a Moving Object.

The Essentials of a Machine for the Accurate Measurement of Celestial Photographs.

Todd, D. P. On the Singkep Commutator.

Turner, Prof. H. H., F.R.S.-On an Exceptional Case in the Determination of the Coustants of a Photographic Plate from known Stars.

Department of Meteorology.

September 17.

Report of the Ben Nevis Committee. Denison, F. N.—The Seismograph as a Sensitive Barometer.

Milne, Prof. J., F.R.S.—On Meteorological Phenomena in Relation to Changes in the Vertical.

Department of Mathematics.

September 14.

Joint Discussion with Section L on the Teaching of Mathematics. Opened by Prof. J. Perry, F.R.S.

September 16.

Report of the Committee on Tables of certain Mathematical Functions.

Bromwich, T. J. I'A .- The Equation of Secular Inequalities.

Note on the Potential of a Surface Distribution.

Carslaw, Dr H. S.- The Application of Fourier's Series in Mathematical Physics.

Cunningham, Lieut. Col. A., and Rev. J. Cullen.—On Idoneal Numbers.
and H. J. Woodall.—Determina-

tion of Successive High Primes.

Darwin, Prof. G. H., F.R.S.—Poincaré's
Pear-shaped Figure of Equilibrium of Rotating Liquid.

Greenhill, Prof. A. G., F.R.S.—The

Simple Pendulum without Approximation.

and C. V. Boys, F.R.S.—Spherical Trigonometry.

* Owing to the departures made from the original programme, the following list is, to a certain extent incomplete, a portion of Wednesday's transactions being unavoidably omitted.

Hudson, R. W. H. T .- The Puiseux Diagram and Differential Equations.

MacMahon, Major P. A., F.R.S.—On the Partition of Series each Term of which is a Product of Quantics.

Mittag-Leffler, Prof. G., For. Mem. R.S.—Un critère pour reconnaitre les points irregulieres des fonctions analytiques.

Peck, J. W.-The Fourier Problem of the Steady Temperatures in a Thin

Rod.

Department of Physics.

September 13.

Report of the Committee on Electrical Standards.

Bose, Prof. J. C.—On the Change of Conductivity of Metallic Particles under Cyclic Electromotive Variation.

Crémieu, Dr V.—Sur les effets magnétique de la convection electrique. Hopkinson, B.—On the Necessity for

Postulating an Ether.

Minchin, Prof. G. M., F.R.S.—On Photo-electric Cells.

Schuster, Prof. A., F.R.S.—On the Discharge of Electricity through Mercury Vapour.

Skinner, S.—Note on a Comparison of

the Deposits in Silver Voltameters with different Solvents.

September 14.

Report of the Committee on Radiation in a Magnetic Field.

Bedford, C., and C.F. Green.—A Method of Determining Specific Heats of Metals at Low Temperatures.

Callendar, Prof. H. L., F.R.S.—Note on the Variation of the Specific Heat of Water.

Cottrell, F. G.—Preliminary Note on the Theory of the Lippmann Electrometer and related Phenomena.

Craw, J. A.—Determination of the Surface Tension of Mercury by the

Method of Ripples.
-Effect of Non-electrolytes on the Lippmann Electrometer Curve.

The Potential Differences of Allotropic Silver.

Morley, Prof. E. W., and C. F. Brush .-A New Gauge for Small Pressures.

— The Transmission of Heat through Water Vapour.

Travers, Dr M. W., and G. Senter .-

Comparison of the Constant Volume and Constant Pressure Scales for Hydrogen between 0° and -190°

Wilson, Dr H. A .- The Laws of Electrolysis of Alkali Salt Vapours.

September 16.

Report of the Committee on Underground Temperature.

 of the Seismological Committee. Discussion on the Proposed New Unit of Pressure. Opened by a paper by Dr C. E. Guillaume.

Bottomley, Dr J. T., F.R.S. - Radiation of Heat and Light from a Heated

Solid Body. Crémieu, Dr V.—A New Point of View about Gravitation, and a proposed $\mathbf{Experiment}.$

rs, Dr W. M., F.1 Michelson-Morley Effect. Hicks, F.R.S.—The

Larmor, Dr J., F.R.S.—The Law of Radiation.

Shaw, W. N., F.R.S .- On the Effect of Sea Temperature on the Seasonal Variation of Air Temperature of the British Isles.

and R. W. Cohen. — On the Seasonal Variation of the Atmospheric Temperature of the British Isles, and its Relation to Wind Direction.

September 17.

Discussion on Glass used for Scientific Purposes. Opened by paper by Dr. R. T. Glazebrook, F.R.S.

Allen, H. S.—The Effect of Errors in

Ruling on the Appearance of a Diffraction Grating. ett, Prof. J. D.,

Everett, F.R.S.—On Resolving Power in the Microscope and Telescope.

Gray, A., F.R.S., and Dr W. Stewart.

On a new Electromagnet and an Echelon Spectroscope for Magnetooptic Observations.

Kelvin, Lord, F.R.S.—The Clustering of Gravitational Matter in any part of the Universe.

Dr J., F.R.S.—The Brush Grating and the Law of its Optical Action.

Lockyer, Dr W. J. S .- A Long Period Solar Variation.

Stoney, Dr G. J., F.R.S.—On the Interference of Light from Independent Sources.

Section B. Chemistry.

Address by the President, Prof. PERCY FRANKLAND, F.R.S.: The Position of British Chemistry at the Dawn of the Twentieth Century.

September 12.

Report of Committee on preparing a New Series of Wave-length Tables of the Spectra of the Elements. A. G.-The Coal-Tar Green, Dr

Industry.

Lawrence. Dr W. T.—Duty Free Alcohol for Chemical Research.

September 13.

Report of Committee on the Relation between the Absorption Spectra Chemical Constitution Organic Substances.

of Committee on the Nature of

Alloys.

Ackroyd, W.-Inverse Relation of Chlorine to Rainfall.

The Distribution of Chlorine in Yorkshire.

Beilby, G. T .- Minute Structure of Metals.

Brown, A. G.-Enzyme Action.

Gladstone, Dr J. H., and G. Gladstone.

—Hydration of Tin, including the Action of Light.

and W. Herbert. - Transitional Forms between Colloids and Crystalloids.

Letts, Prof. E. A., and R. F. Blake.— Chemical and Biological Changes during the Treatment of Sewage

by the so-called Bacteria Beds.

Marckwald, Prof. W.—Radium.

Rideal, Dr S.—Humus and the Irreducible Residue in the Bacterial Treatment of Sewage.

Sulphuric Acid as a Typhoid Disinfectant.

Four papers omitted.

September 16.

Report of Committee on Isomeric Naphthalene Derivatives.

of Committee on Isomorphous Derivatives of Benzene.

Henderson, Prof. G. G., and R. H. Corstorphine.—The Condens-ation of Benzil with Dibenzyl Ketone.

gkinson, Dr W. R., and L. Limpach. — Some Relations be-Hodgkinson, tween Physical Constants and Constitution in Benzenoid Amines. Part III.

Michael, Prof. A.—On the three Stereomeric Cinnamic Acids.

- On the Genesis of Matter.

On the Process of Substitu-

Perkin, Prof. W. H., F.R.S.—On the Synthetical Formation of Bridged-

rings.
ng, Dr G.—The Existence of Young, certain Semicarbazides in more than one Modification.

September 17.

Report of Committee on the Bibliog-

raphy of Spectroscopy.

Armstrong, Dr E. F.—The Equilibrium Law as applied to Salt Separation and to the formation of Oceanic Salt Deposits.

Sakurai, Prof. J.—Some Points in Chemical Education.

Thomson, W., F.R.S.E.—On
Detection and Estimation οf Arsenic in Beer and Articles of Food.

Walker, Prof. J., F.R.S.—On the Nomenclature of the Ions.

All Wednesday's papers omitted.

Section C. Geology.

Address by the President, John Horne, F.R.S., F.R.S.E., F.G.S.: Recent Advances in Scottish Geology.

September 12.

Barrow, G.—On Variations in the

Flett, J. S.—On Crystals dredged from the Clyde near Helensburgh, with Analyses by Dr W. Pollard. Strata in the Eastern Highlands.

British Association—continued.

Flett.—The Granite of Tulloch Burn, Ayrshire.

W. - Recent Discoveries in Gunn. Árran Geology.

MacNair. P.—On the Crystalline Schists of the Southern Highlands; their Physical Structure, and its Probable Manner of Development.

Woodward, H. B., F.R.S.—Further Notes on the Westleton Beds.

Note on a Phosphatic Layer at the Base of the Inferior Colite in Skye.

Report of the Committee for the Collection and Preservation of Geological Photographs of Geological Interest.

September 13.

Geikie, Sir A., D.C.L., F.R.S.—Time-intervals in the Volcanic History of the Inner Hebrides.

Harker, A.—The Sequence of the Tertiary Igneous Eruptions in

Kilroe, J. R., and A. M'Henry.-On the Relation of the Silurian and Ordovician Rocks of the N.W. of Ireland to the Great Metamorphic Series.

Kinahan, G. H.—Notes on the Irish Primary Rocks, with their associated Granitic and Metamorphic Rocks.

· Some Irish Laccolithic Hills. M'Henry, A., and J. R. Kilroe. the Relations of the Old Red Sandstone of N.W. Ireland to the adjacent Metamorphic Rocks, and on its similarity to the Torridon Rocks of Sutherland.

Jack, R. L., LL. D.—Artesian Water in the State of Queensland, Australia. Raisin, Miss C. A., D.Sc.—Perim Island and its Relation to the

Area of the Red Sea.

Traquair, Dr, F.R.S.—The Geological Distribution of Fishes in the Carboniferous Rocks of Scotland.

On the Geological Distribution of Fishes in the Old Red Sandstone of Scotland.

September 16.

Report of the Committee upon the Present State of our Knowledge of the Structure of Crystals.

of the Committee on Terrestrial Surface Waves and Wave-like Sur-

- of the Committee for studying

Life-zones in the British Carboniferous Rocks.

Report of the Committee on the Erratic Blocks of the British Isles.

of the Committee on the Exploration of Keish Caves, Co. Sligo.

of the Committee for considering the Best Methods for the Registration of all Type Specimens of Fossils in the British Isles.

Bell, A. M.—Plants and Coleoptera from a Deposit of Pleistocene Age

at Wolvercote, Oxfordshire.

Kendall, Prof. P. F., and H. B. Muff.

—Evidences of Ancient Glacierdammed Lakes in the Cheviots.

Kidston, R., F.R.S.E.—Notes on some Fossil Plants from Berwickshire.

Kilroe, J. R.—Geology regarded in its Economic Application to Agriculture by Means of Soil Maps.

Peach, B. N., F.R.S.—The Cambrian Fossils of the N.W. Highlands. Sollas, Prof. W. J., F.R.S.—The Investigation of Fossil Remains, by

Serial Sections.

September 17.

W. - On the Circulation Ackroyd, of Salt and its Geological Bearings.

Barrow, G.—On the Alterations of the Lias Shale by the Whin Dyke of

Great Ayton, in Yorkshire.

Craig, E. H. C.—On Cairngorms.

Goodchild, J. G.—On the Scottish Ores of Copper in their Geological Relations.

- Revised List of the Minerals known to occur in Scotland.

Mackie, kie, W., M.D.—Occurrence of Barium Sulphate and Calcium Fluoride as Cementing Substances

in the Elgin Trias.
Pebble Band of the Elgin Trias and its Windworn Pebbles.

Occurrence of Covellite in Association with Malachite in the Sandstone of Kingsteps, Nairn.

Maclaren, J. M.—On the Source of the

Alluvial Gold of the Kildonan

Field, Sutherland.
Field Notes on the Influence of Organic Matter on the Deposition of Gold in Veins.

Rhodes, J.—Notes on the Occurrence of Phosphatic Nodules and Phosphatebearing Rocks in the Upper Carboniferous Limestone (Yoredale) Series of the West Riding of

Yorkshire and Westmorland border.

Rhodes, J.—Note on the Discovery of a Silicified Plant-Seam beneath

the Millstone Grit of Swarth Fell, West Riding of Yorkshire. Wheeler, W. H.—On the Source of Warp in the Humber.

All Wednesday's papers omitted.

Section D. Zoology.

Address by the President, Prof. J. COSSAR EWART, M.D., F.R.S.:
The Experimental Study of Variation.

September 12.

Reports of Committees on—1, Migration of Birds; 2, Naples Zoological Station; 3, Plymouth Marine Laboratory; 4, Index Animalium; 5, Plankton Investigation; 6, Zoology of Sandwich Islands; 7, Coral Reefs of the Indian Region.

Anderson, Prof. R. J.—The Relationships of the Premaxilla in Bears.

Hepburn, Dr, and Dr D. Waterston,—
The Pelvic Cavity of the Porpoise
as a Guide to the Determination of
a Sacral Region in Cetacea.

September 13.

Bles, E. J.—On a Method for recording Local Fauna.

Bruce, W. S.—The Fishes of the Coats Arctic Expedition.

— The Fauna of Franz Josef Land.

Bryce, Dr T. H.—The Heterotypical

Division in the Maturation Phases
of the Sexual Cells.

Gardiner, J. S.—The Coral Islands of the Maldives.

Hartog, Prof. M., and N. Maskelyne.— On the Mechanism of the Frog's Tongue.

Tongue.

Thompson, Prof. J. A.—Germinal
Selection in Relation to Inheritance.
— Some Notes on the Behaviour of
young Gulls, artifically and
naturally Hatched.

September 16.

Cossar, Prof. J. C.—Zebras and Zebra Hybrids.

Gemmill, Dr J. F.—On Echinonema grayi, a Large Nematode from the Perivisceral Cavity of the Sea-Urchin.

Hoyle, W. E.—On a New Form of Luminous Organ.

Lister, J. J., F.R.S.—Dimorphism in Foraminifera.

Marshall, F. H.—Exhibition of Abnormal Specimens of Nephrops. — Exhibition of Microscopic Preparations of Mammalian Hairs.

Shelford, R.—Notes on some Bornean Insects.

Simpson, Dr J. Y. — The relation of Binary Fission and Conjugation to Variation.

See also Conference (with Sections C and E) on Lakes.

September 17.

Borradaile, L. A.—The Land Crustaceans of a Coral Island.

Budgett, J. S.—On the Anatomy of the Larvae Polypterus.

Cooper, C. F.—The Fauna of an Atoll.

Gilson, Prof.—A new Sounding and Ground-collecting Apparatus.

Kerr, J. G.—The Origin of the Paired Limbs of the Vertebrates.

Moreno, Dr F. P.—Exhibition of Photographs of Fossils in the La Plata Museum.

Rankin, J. — Exhibition of a New Orienting Apparatus for the Cambridge Microtome.

Ross, Major R., F.R.S.—The Story of Malaria.

Section E. Geography.

Address by the President, Dr H. R. MILL, F.R.S.E., F.R.G.S.

September 12.

Chisholm, G. G. — Geographical Conditions affecting British Trade.

Herbertson, Dr A. J.—Morphological Map of Europe.

Ireland, Prof. A.—The Influence of Geographical Environment on Political Evolution.

Lewis, Rev. T.—Itineraries in Portu-

guese Congo.

Ravenstein, E. G.—Martin Behaim of
Nüremberg, 1459-1507.

Report of Committee on the Climatology of Tropical Africa.

September 13.

Elliot, G. F. S. - Effects of Vegetation in the Valley and Plains of the Clyde. Moreno, Dr.-Notes on Argentine

Anthropo-geography.

Newbigin, Marion, D.Sc. -The Scottish Natural History Society's Scheme for the Investigation of the Forth Valley.

Prichard, H.—Some Explorations of Andean Lakes.

Reclus-Guyon, M .- M. Reclus' Map on Natural Curvature.

Smith, Prof. W. G .- Methods and Objects of a Botanical Survey of Scotland.

September 16.

Report of Committee on Terrestrial Surface Waves.

of the Committee on Changes of the Land-level of the Phlegræan Fields.

of Committee on a Survey of British Protectorates.

Bell, Dr R., F.R.S.—Northern Ontario: Its Geography and Resources.

Dickson, H. N.—The Mean Tempera-ture of the Atmosphere and the Causes of Glacial Periods.

Lemaire, Capt.—The Belgian Scientific

Expedition of Ka-Tanga.

Rotch, A. L.—On the Systematic
Exploration of the Atmosphere at Sea by means of Kites.

September 17.

Bruce, W. S.—The Methods and Plans of the Scottish National Antarctic Expedition.

Galeron, A.—The Representation of the Heavens in the Study of Cosmography.

Jack, Dr R. L.—Travels in China.

J. S.—The National Keltie. DrAntarctic Expedition.

Little, A.—The Crux of the Upper Yangtse.

Mill, Dr H. R. - With the Discovery to Madeira.

Oldham, H. Y .-- Experimental Demonstration of the Curvature of the Earth's Surface.

Shaw, W. N., F.R.S. - Weather Map.

Section F. Economic Science and Statistics.

Address by the President, Sir Robert Giffen, K.C.B., F.R.S.

September 12.

Carlile, W. W., M.A.—The Postulates of the Standard.

Dron, R. W .- Some Notes on the Output of Coal from the Scottish Coal Fields.

Sutherland, J. F., M.D.—The Growth and Geographical Distribution of Lunacy in Scotland,

September 13.

Atkinson, *E.* -- Food and Land Tenure.

Cassel, Dr G.—The Theory of Progressive Taxation.

Ginsburg, B. W., LL.D.—Shipping Subsidies.

Ellinger, B.—Thirty Years' Export Trade, British and Irish Produce, 1870-99.

Wallace, Prof. R. - British Agriculture.

September 16.

Discussion on Housing. Opened by Prof. N. Smart.

Bowley, A. L., M.A.—Notes on Glasgow Wages in the 19th Century.

Cannan, E., LL.D.—The Decline of Natality in Great Britain.

Clark, A. B., M.A.-British Colonial Policy in its Economic Aspects. Cree, T. S .- A Business Man on Supply

and Demand. Devas, C. S.—The Significance of the

Decline in the English Birth-rate. Hooker, R. H., M.A.-Correlation of the Marriage-rate and Trade.

Irwin, Miss M. H .- The Present Posi-

tion of Woman as a Worker.

Knox, E. F., M.A.—The Economic
Effect of the Tramways Act, 1870.

Mackay, T .- The Poor Law and the Economic Order.

Price, L. L., M.A.—Economics and Commercial Education.

Section G. Engineering.

Address by the President, Col. R. E. CROMPTON, M.Inst.C.E.

September 12.

Morton, D. H .- The Mechanical Exhibits in the Glasgow Exhibition. Petavel, J. E .- A Recording Manometer

for High-pressure Explosives. Wigham, J. R.—Long Continuous Burning Petroleum Lamps for Buoys and Beacons.

New Scintillating Lighthouse Light.

September 13.

Report of the Committee on Resistance of Road Vehicles to Traction.

Macdonald, N. D.-Railway Rolling Stock-Present and Future.

Rosse, Earl. — A Leaf Arrestor, or Apparatus for Removing Leaves, etc., from a Water-supply. Varilla, P. B.—The Panama Canal.

September 16.

Cornish. V.—On the Size of Waves as observed at Sea.

Dillon, J.-Recording Soundings by Photography.

Jack, R. L.—Bridges in Western China. Hedges, K.—The Protection of Public

Buildings from Lightning.

Wilson, Prof. E.—The Commercial Importance of Aluminium.

September 17.

Report of the Committee on the Small Screw Gauge.

Barr, M.—Machinery for Engraving. Edwards, E. T .- The Critical Point in

Rolled Steel Joists. Forbes, Prof. G.-A Portable Folding Range-Finder, for Use with In-

fantry.
Carrard, C. R.—Recent Developments of Chain Driving.

Hearson, T. A.—Measurement of the Hardness of Materials by Indentation by a Steel Sphere. Thomas, J. W.—Air Currents

Churches.

Section H. Anthropology,

Address by the President, Prof. D. J. CUNNINGHAM, M.D., D.Sc., F.R.S.

September 12.

Report of the Anthropological Photographs Committee.

of the Committee on Anthropological Teaching.

Cleland, Prof., F.R.S.-The Cartilage of the External Ear in the Monotremata in Relation to the Human Ear.

Gemmill, J. F., M.D.—On the Origin of the Cartilage of the Stapes and on its continuity with the Hyoid

Macalister, Prof. A., F.R.S. — Some Notes on the Morphology of Transverse Vertebral Processes.

Note on the Third Occipital Condvle.

Layard, Miss N.—Note on a Human Skull found in Peat, in the bed of the river Orwell, Ipswich.

September 13.

Report on the Excavations of the Roman City at Silchester.

Report on the Explorations in Crete. Cunningham, J. H.—Excavations at Ardoch.

Evans, A. J., F.R.S.—The Neolithic Settlement at Knossos and its Place in the History of Early Ægean Culture.

Hogarth, D. G., M.A.—Exploration at Zakro in Eastern Crete.

Macalister, R. A. S.—External Circumstances bearing on the Age of Ogham Writing in Ireland.
Some Results of Recent Excava-

tions in Palestine.

Munro, R., M.D.—Notes on the Excavation of an Ancient Kitchen Midden near Elie, in Fife.

Ross, T.—Excavations at the Roman Camp at Inchtuthill, in Perthshire.

September 16.

Report on the Age of Stone Circles. Coffey, G .- Naturally Chipped Flints for Comparison with certain Forms of alleged Artificial Chipping.

Coffey, G.—Exhibition of Manufactured Objects from Irish Caves.

Duncan, E., M.D., and T. H. Bryce, M.D. — Prehistoric Man in the Island of Arran.

Layard, Miss N .- Palæolithic Imple-

ment with alleged Thong-marks.

Longe, F. D.—A Piece of Yew from
the Forest Bed on the East Coast of England, apparently cut by

Mackay, Principal, M.D., LL.D.-On Supra-sternal Bones in the Human Subject.

Myers, C. S. — The Bones of Hen Nekht.

Sturge, W. A., M.D.-On the Chronology of the Stone Age of Man, with especial reference to his Co-

existence with an Ice Age.

Symington, Prof. J., M.D.—On the
Temporary Fissures of the Human Cerebral Hemispheres, with Observations on the Development of the Hippocampal Fissure and Hippocampal Formation.

Tocher, J. F., and J. Gray.—The Frequency and Pigmentation Value of Surnames of School Children in East Aberdeenshire.

September 17.

Report. - Ethnographic Survey Canada.

The Skeat Expedition to Malay Peninsula.

Annandale, N., and H. C. Robinson. -Anthropological Notes on Sai Kan, a Siamo Malayan Village in the State of Nawnchik (Tojan).

Hawtrey, S.—The Lengua Indians of the Gran Chaco.

Macalister, R. A. S.—Notes on some Customs of the Fellahin in Western

Myers, C. S.—Some Emotions in the Murray Islander.

Prichard, H .-- The Tehuelche Indians of Patagonia.

Rivers, W. H. R., M.D.—On the Functions of the Maternal Uncle in Torres Straits.

- On the Functions of the Son-in-law and Brother-in-lawin TorresStraits. Sero, J. O. B.—Dekanawideh, the Law-Giver of the Caniengahakas.

Shelford, R., M.A.-A Provisional Classification of the Swords of the Sarawak Tribes.

Skeat, W. W., M.A.—The Wild Tribes of the Malay Peninsula.

Section I. Physiology.

Address by the President, Prof. J. G. M'KENDRICK, M.D., LL.D., F.R.S.

September 12.

Edridge-Green, F. W., M.D.—Colour

Osborne, W. A., D.Sc.—The Physical Properties of Caseinogen Salts in Solution.

Sanderson, Sir J. B .- On the Use of the Telephone for Investigating the Rhythmic Phenomena in Muscle.

Sherrington, Prof. C. S., F.R.S.—An Experiment on the 'Motor' Cortex of the Monkey.

Wanklyn, J. A.-On Arsenical Pigmentation.

September 16.

Brodie, W. B., M.B.—Note on the action of Oxalates upon

Relationship of Calcium Salts to Muscles.

N.; Gulland, Paton, D. Fowler, J. S .- Has the Spleen a Hæmopoietic Function ?

Reid, E. W., F.R.S.—1. Can Solutions of Native Proteids exert Osmotic Pressure? 2. An Ionic Effect in the Small Intestine.

Rivers, W. H. R.—The Measurement of a Visual Illusion.

September 17.

Hartog, Prof. M.—Demonstration of a Model showing the Mechanism of the Frog's Tongue.

Myers, Galton's Whistle.

Section K. Botany.

Address by the President, Prof. I. BAYLEY BALFOUR, F.R.S.

September 12.

Reports of the Committees on-(1).

Fertilisation in the Phæophyceæ; (2) the Morphology, Ecology, and Taxonomy of the Podostemaceæ.

W.-The Diameter Borthwick, A. Increment of Trees.

Hill. A. W.—The Histology of the Sieve-tubes of Pinus.

Letts, Prof., and J. Hawthorne. - On the Absorption of Ammonia from Polluted Sea-water by Ulva latissima.

Lotsy, Prof. - The International Association of Botanists.

Paterson, J.—Notes on Stellaria holostea and Allied Species.

Wager, H.-The Cytology of the Cyanophyceæ.

Worsdell, W. C.—The Morphology of

the Flowers of Cephalotaxus.

The Morphology of the Ovule: an Historical Sketch.

Yapp, R. H.—Some Botanical Photographs from the Malay Peninsula.

September 18.

Bower, Prof. F. O., F.R.S.-Note on an Ophioglossum collected by Mr Ridley.

Clark, Miss A. M .- Abnormal Secondary Thickening in Kendrickia Walkeri, Hook. f.

Conventz, Dr. — The Past History of the Yew in Great Britain and Ireland.

Green, Prof. J. R., F.R.S.—Lecture on

Flesh-Eating Plants.

Kny, Prof.— On Correlation in the Growth of Roots and Shoots.

Lang, Dr W. H.—Contributions to our Knowledge of the Gametophyte in the Ophioglossales and Lycopo-

Niven, W. N.—On the Distribution of certain Forest Trees in Scotland, as shown by the Investigation of Postglacial Ďeposits.

Ward, Prof. M., F.R.S.—The Bromes and their Brown Rust.

September 16.

Anderson, Prof. R. J.-An Apparatus for Studying the Rate of Flow of Solutions in Plant Stems.

Arber, E. N .- The Glossopteris Flora

of New South Wales.

Bower, Prof. F. O., F.R.S.—The
Teaching of Botany in Universities. Ford, Miss S. O.—The Anatomy of

Ceratopteris thalictroides.

Seward, A. C., F.R.S., and Miss S. O. Ford. — The Anatomy of Todea, with an Account of the Geological History of the Osmundaceæ.

Tagg, I.—Notes on Preserving and Preparing Plants for Museum Purposes.

Wager, H .-- The Teaching of Botany in Schools.

September 17.

kman, Dr F. F., and Miss Matthæi.—(i.) Natural Surgery in Leaves. (ii.) On the Relation Blackman, CO₂ Production between Vitality.

Elliot, Prof. S.-The Strength and Resistance to Pressure of certain Seeds and Fruits.

Gwynne-Vaughan, T. - Some D. Remarks upon the Nature of the Stele of Equisetum.

Lotsy, Dr.—Heterogenesis in Conifers. Oliver, Prof. F. W.—On the Seeds Æthiotesta, Brongn., and Stephano-

spermum, Brongn.
Potonie, Prof. H.—Die Silur- und Culm-Flora des Harzes.

Scott, Dr D. H., F.R.S.—On a Primitive Type of Structure in Calamites.

Tansley, A. G .- The Vegetation of Mount Ophir.

Yapp, R. H.—On two Malayan "Myrmecophilous" Ferns.

Section L. Educational Science.

Address by the President, The Right Hon. Sir John E. Gorst, K.C., M.P., F.R.S.

September 12.

Adams, J.—The Mechanism for Education in Scotland.

Jacks, Dr W.—Organisation of Education in Glasgow.

Kerr, Dr J. G.-The Training of the Practical Man.

Roscoe, Sir H., F.R.S.—The Organisation Secondary Educaof tion.

September 13.

Armstrong, Prof. H. E., F.R.S.—The Future Work of the Section.

Barnett, P. A., M.A.—Some Considerations bearing on the Practical Study of Educational Science.

Miall, Prof. L. C., F.R.S.—The Experimental Method of Teaching. Withers, Prof. H. L., M.A.—The Scope of the Science of Education.

September 14.

Discussion on the Teaching of Mathematics.

September 16.

Joint Discussion (with Section K) on

the Teaching of Botany. Opened by Harold Wager and Prof. F. O. Bower, F.R.S.

Joint Discussion (with Section F) on Commercial Education. Opened by L. L. Price.

Report on the Teaching of Science in Elementary Schools.

September 17.

Eve, H. W.—Liberal Education for Boys leaving School at Sixteen or Seventeen.

Hereford, Lord Bishop of.—Influence of Universities and Examining Bodies upon the Work of Elementary Schools,

THE SOCIETY FOR THE ENCOURAGEMENT OF ARTS, COMMERCE, AND MANUFACTURES,

JOHN STREET, ADELPHI.

(Commonly called the Society of Arts. Founded 1754. Incorporated 1847.)

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Secretary: Sir H. Trueman Wood, M.A. Assist.-Sec.: H. B. Wheatley, F.S.A.

Mestings.—The Anniversary takes place in June in each year. Between 70 and 80 Meetings are held during the Session.

Membership.—Annual Subscription, Two Guineas; Life Subscription, Twenty Guineas.

Lectures and Papers read during Sessions 1901-1902. Reports of all appear in the weekly "Journal" of the Society, price 6d. Cantor Lectures are indicated by C. and Howard Lectures by H.

Bacon, Rev. J. M.—Scientific Observations at High Altitudes. Jan. 22.

Beadle, C.—Technical Education as Parker, J. G., Ph.D.—Leather for

Beadle, C .- Technical Education as

Applied to Paper Making. Jan. 29.

Beaumont, Prof., M.I.M.E.—Recent
Inventions in Weaving Machinery. Feb. 26.

Bennett, T. J .- The Past and Present Connection of England with the Persian Gulf. May 8. Bruce, F. H., M.A.—The Use of Balloons in War. Feb. 19.

Chancellor, A., J.P.—Origin and History of Carriages. May 7.
Cockburn, Hon. Sir J., K.C.M.G.—The

Sphere of State Activity in Australia. Mar. 25.

Crease, Maj.-Gen. J. F., C.B.-Ceuta and Gibraltar. Apr. 9.

Davenport, C.—Personal Jewellery from Prehistoric Times. Three Lectures. Feb. 10, 17, 24. C. Dunstan, Prof. W. R., F.R.S.—The Coal Resources of India. Feb. 6.

Forbes, Prof. G., F.R.S.—Range Finders. Dec. 18. Geddes, J. D.—Photography Applied to Illustration and Printing. Three Lectures. Mar. 3, 10, 17.

Glazebrook, R. T., F.R.S.—Glass for Optical Instruments. Four Lec-

tures. Apr. 14, 21,28; May 5. C.

Gray, F. J., A.M.I.M.E.—Elliptographs and the Application of
Elliptical Curves. Jan. 15.

Holderness, T. W., C.S. I.—The Indian
Famine of 1899, and the Measures
taken to meet it. Mar. 13.

Horsley, G. C. - Structural Colour Decoration of the Interior of Public Buildings.

Hughes, J., F.I.C.—The Utility of Alkaline Phosphatic Manures.

Jacobi, C. T. - The Printing and Illustration of the Modern Book. May 6.

Jago, W., F.I.C.—The Chemistry of Confectioners' Materials and Processes. Four Lectures. Nov. 25;

Dec. 2, 9, 16. C.

J. B., M.A.—Photography as
Applied to Architectural Measurement and Surveying. Apr. 16.

Madgen, W. L .- Industrial Redistribution: the Crux of the Overcrowding Question. Feb. 12.

Bookbinding. Nov. 27.

Penton, E., B.A.—The New Trade
Route to Persia by Nushki and

Sistán. Dec. 5.

Pitt, Prof. B.—Street Architecture. Apr. 8.

Preece, Sir W. H., K.C.B.—Scientific Progress in the Nineteenth Century. Nov. 20.

Preston, S., C.I.E.—Recent Developments in Punjab Irrigation. Apr. 17.

Preston, W. T. R. - The French-Canadian Relationship Crown. Feb. 18.

Price-Edwards, E. - Sound Signals. Mar. 5.

Ricardo, H .- The Architect's Use of Enamelled Tiles. Jan. 21.

Rideal, S., D.Sc.—The Purification and Sterilisation of Water. Four Lectures. Jan. 13, 20, 27; Feb. 3.

Robinson, J. C., A.I.C. — Electric Traction: London's Tubes, Trams and Trains. Mar. 19.

Scammell, E. T .- The Timber Resources of the Australian Commonwealth.

Skrine, F. H.—Bengal: the Land and its People. Jan. 23.
Smyth, H. W.—Boats and Boat

Building in the Malay Peninsula.

Stone, H.-The Identification of Wood and its Application to Scientific and Commercial Purposes. Dec. 4.

Thomas, H. T.—Jamaica. Feb. 5. Thompson, Prof. S. P., F.R.S.—Opto-

technics. Apr. 23.
Thurston, Rev. H., S.J.—The History of the Rosary in all Countries. Feb. 4.

Venn, Hon. H. W .- Western Australia: its Progress and its Resources. May 29.

Wagle, N. B., B.A.—The Industrial
Development of India. Feb. 27.
Whitehouse, Com. B., R.N.—To the
Victoria Nyanza by the Uganda

Railway. Jan. 28.

W., Wilson, Prof. M.I.E.E. -

Aluminium. Dec. 11. Wood, Sir H. T., M.A.—Photography and its Applications. Jan. 1, 8.

ROYAL ASIATIC SOCIETY.

22 ALBEMARLE STREET, W.

Officers, - President: The Rt. Hon. Lord Reay, G.C.S.I. Secretary: Prof. T. W. Rhys Davids, LL.D., Ph.D.

Meetings. -- Monthly (second Tuesday), from November to June inclusive, 4 P.M. The Anniversary Meeting takes place in May.

Membership.—Annual Subscription: Resident Members. £3. 3s.: Non-Resident Members, £1, 10s. No Entrance Fee.

Publication.—The Journal, published quarterly, 12s. per number, or 30s. subscription in advance.

Papers read during Session 1901-1902,

Beatson, S.—On Plassy and Seringa-patam. Dec. 1.

Danus, M. L.—On the Ethnology of the Baloches. Feb. 11.

Kennedy, J.—Bhuddhist Gnosticism: the System of Basilides. Jan.

Napson, E. J., and F. H. Andrews. -On

Dr Stein's Explorations in Chinese

Turkistan. Nov. 12. Smith, V. A.—On the Kushan or Indo-

Scythian-Period. Mar. 11.

Sykes, Major P. M.—Historic Notes on S.-E. Persia. Apr. 14. baut, G.—On the Rāmānuja

Thibaut, Bhashya. June 10.

THE VICTORIA INSTITUTE or PHILOSOPHICAL SOCIETY OF GREAT BRITAIN,

8 ADELPHI TERRACE, W.C. (Founded 1865.)

Officers. - President: Sir George G. Stokes, Bart., M.A., LL.D., F.R.S. Hon. Secretary: Prof. E. Hull, M.A., LL.D., F.R.S.

Membership, -- Members, One Guinea Entrance Fee, Two Guineas Annual Subscription; Associates, One Guinea Annual Subscription.

Meetings. - Alternate Mondays during the Session at 4.30 P.M.

Papers read during Session 1901-1902, and issued in the "Journal," Vol. XXXIII. (price 21s. to Non-Members).

Beale. le, Prof. L., F.R.S. -Essential to Life. Feb. 3. F.R.S. — Water

Chaplin, T., M.D.—Diseases Recorded in the Bible. May 12.

Hull, Prof. E., LL.D., F.R.S.—The Physical History of the Norwegian Fjords. Feb. 17.

Jack, R. L., LL.D., F.G.S.—Artesian Wells in Queensland. Jan. 20.

Kidd, W., M.D. - Adaptation and Selection in Nature. Mar. 17.

Lias, Rev. J. J.—Modifications in the idea of God, produced by Modern Scientific Discovery. Jan. 6.

Lobley, Prof. J. L., F.G.S.—The Preparation of the Earth for Man's

Abode. Dec. 9.

Maclaren, J. M., F.G.S.—The Physical History of the New Zealand Fjords. Mar. 3.

Rouse, M. L.—Procopius's African Monument of Joshua's Conquest of Canaan. May 5.

Stefensson, J., Ph.D. — Iceland; its History and Inhabitants. Ap. 21.

Walker, Rev. F. A., D.D.—Locusts and Grasshoppers. Apr. 7. Wilson, Maj.-Gen. Sir C. W., K.C. M.G., F. R. S. — Water-supplyof Jerusalem (Annual Address.) May 26.

ROYAL COLONIAL INSTITUTE.

NORTHUMBERLAND AVENUE, W.C.

(Founded 1868; Incorporated 1882.)

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- Officers. -- President: H.R.H. The Prince of Wales, K.G. Secretary: J. S. O'Halloran, C.M.G.
- Meetings. Monthly, at 8 P.M., from November to June; occasional Afternoon Meetings are held at 4.30 P.M. The Anniversary Meeting takes place in February or March.
- Membership,—Resident Fellows, Entrance Fee, £3; Annual Subscription, £2; Life Subscription, £20, or, after Five Years' Subscription of £2, £15. Non-Resident Fellows, Entrance Fee, £1, 1s.; Annual Subscription, £1, 1s.; Life Subscription, £10. British subjects only eligible.
- Publications.—Proceedings, published annually in July (price 7s. 6d.); and the Journal, published monthly from December to July (price 6d.).

Papers read during Session 1901-1902.

Broome, H. A.—The Progress of Civil | Administration in Örange River Colony. Apr. 22.

R. —Our Colquhoun, A. Future Colonial Policy. June 10.

W. G.—The Water-supply of

Australia. Nov. 26.
Dalton, Rev. Canon, M.A., C.V.O., C.M.G.—The Recent Royal Tour. May 13.

Jerningham, Sir H. E. H., K.C.M.G. -Colonial Administration. Apr. Johnson, F.-Rhodesia: its Present and Future. Nov. 12.

H. - The French Kennedy, A. -Dec. 10. Canadians.

Lamington, Right Hon. Lord, G.C.M.G. -Notes on Queensland. Mar. 11.

faster, E., B.A.—The High Plateaus of Natal, their Climate M'Master,

and Resources. Jan. 14.
Turner, Hon. J. H.—British Columbia of To-day. Feb. 11.
Wade, F. C., K.C.—The Klondike: a

Four Years' Retrospect. May 27.

IMPERIAL INSTITUTE OF THE UNITED KINGDOM, THE COLONIES AND INDIA,

IMPERIAL INSTITUTE, SOUTH KENSINGTON, S.W. (FOUNDED 1887.)

Patron,-H.M. King Edward VII.

- Officers.—Hon. Secretary: Sir F. A. Abel, Bart., G.C.V.O., K.C.B., F.R.S. Director of the Scientific and Technical Department: Prof. W. R. Dunstan, M.A., F.R.S. Assistant-Secretary: Lieut. Gerald R. Maltby, R.N.
- Meetings. -- Monday evenings at 8.30 P.M., from November to March, and numerous other special afternoons and evenings for the reading of Papers and delivery of Lectures. The Lectures are open free to the public without tickets. The Institute contains collections representing the products and natural resources of India and the Colonies, which are open free to the public daily from 11 A.M., and also includes Research Laboratories for the scientific and technical examination of products, as well as a Commercial Intelligence Office, Map Room, Library and News Room. Special Curators are attached to the different collections, from whom information may be obtained. The Anniversary Meeting is held in May.

Membership.—No Entrance Fee; Annual Subscription, £2.

The property, management and offices of the Imperial Institute will be taken over by the Government from 1st January 1903, when it becomes merged in the Board of Trade.

Papers read during Session 1901-1902. Abstracts of all the Lectures and Papers given at the Imperial Institute are published in the monthly "Imperial Institute Journal," price 6d, (free to Fellows of the Institute).

Bengough, J. W .- Facts and Fancies | Ridley, H. N .- The Economic Reabout Canada.

Berry, Rev. J.—New Zealand.

Cockburn, Hon. Sir J. A.—Federal Fulfilment.

Greenwood, H .- Home Life in Canada. Harford, Battersby, C. F., M.D.—The Native Races of Nigeria.

The Obstacles to Development in West Africa.

Howard, J .- Nova Scotia.

Hon. Lefroy, H. B.-Western Australia.

Rees, J.—The Condition of the People of India.

sources of the Straits Settlements and of the Malay Peninsula.

Stirling, J.—The Brown Coals of Victoria.

Thomas, H. T .- Jamaica.

 The Maroons of Jamaica. Tozer, Hon. Sir H., K.C.M.G.—The Coloured Races in Australia.

Turner, Hon. J. H.—British Columbia. Wakefield, E.—New Zealand: her Record and Destiny.

Wallace, R. H.—Planters and Planting in Tropical Greater Britain.

CITY OF LONDON COLLEGE SCIENCE SOCIETY,

WHITE STREET, MOORFIELDS, E.C.

Officers .- President: Prof. G. S. Boulger, F.L.S., F.G.S. Hon. Secretary: H. N. Gray, 131 Earlham Grove, Forest Gate, E.

Meetings.—Last Wednesday in each month, from October to May, at 7.30 P.M., and first Wednesday in October. The Annual General Meeting was held on 28th May 1902.

Membership.—No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901–1902.

Boulger, Prof. G. S., F.L.S.—Presidential Address: The Commercial Side of Science. Oct. 2.

Tin: a Chapter in the Early
History of Metallurgy. Nov. 27.

Calthrop, E. R., M.I.M.E.—Narrow
Gauge Light Railways of Heavy
Traffic Capacity. Apr. 30.

Lobley, Prof. J. L.—The Haslemere

Congress of the S.-E. Union of Science Societies. May 28.

Nursey, P. E., C.E.—The Evolution of High Explosives. Oct. 30.

Robins, E. A.—The Theory and Practice of Photographic Manufactures. Feb. 26.

Sohn, C. E., F.I.C.—Air and Diet. Jan. 29.

HAMPSTEAD SCIENTIFIC SOCIETY,

HAMPSTEAD LIBRARY, PRINCE ARTHUR ROAD, N.W.

Officers.—President: Sir Samuel Wilks, Bart., M.D., LL.D., F.R.S. Treasurer: E. Compson Crump. Hon. Secretary: B. W. Martin, F.Z.S., Elm House, Elm Row, Hampstead. Astronomical Secretary: P. E. Vizard. Natural History Secretary: Dr J. W. Williamson, F.L.S. Photographic Secretary: J. P. Bushe-Fox.

Meetings.—General, first Friday in each month from November to May. The Anniversary Meeting in January.

Publication .- Annual Reports and Proceedings.

Papers read during Session 1901-1902.

Bailey, W., M.A.—The Zero of Temperature. Feb. 7.

Findon, H.—On the Approximation of the Forms of Living Mollusca to their Fossil Prototypes. Apr. 11.

Jacoby, M., F.E.S.—Insects at Home and Abroad. Mar. 7.

Johnson, L., M.D., F.R.C.S.—A. Century's Progress in Colour Photography and the Knowledge of Colour Vision. Jan. 31.

Martin, B. W., F.Z.S.—Feathers; their Structure and Uses. May 9.

Pidcock, G. D., M.D., M.R.C.P.—Bacteria and their Allies. May 4.

Shenton, E. W. H., M.R.C.S., L.R.C.P.—The Medical Application of the Röntgen Rays. Apr. 4.

Smith, F. P.—Spiders and their Ways.

W., F.C.S.,

Parasites. Dec. 13.

Feb. 14. Stokes, A.

Thomson, A. H., M.D.—The Human Eye. Dec. 6. Temple, (the late) Rt. Hon. Sir R., Bart., F.R.S.—Annual Address. Nov. 1. Vizard, P. E.—Light. Four Lectures.

Nov. — The Calendar. Jan. 27.

— The Poles and their Movements. Feb. 10.

— The Great Ice Age. Feb. 24. — The Astronomy of Paradise Lost. Mar. 10.

Walker, Rev. F. A., D.D., F.L.S., etc.

—Entomology of Iceland. Jan. 3.

—The Entomology of Paris and its

— The Entomology of Paris and its Neighbourhood. Mar. 14. Williams, J. W., M.R.C.S., F.L.S. —The Anatomy of a Sea-Anemone. Jan. 10.

Wilks, Sir S., Bart., F.R.S.—The Relation of Science to Art. May 12.

THE DECIMAL ASSOCIATION,

F. I.C.—

BOTOLPH HOUSE, EASTCHEAP, E.C.

Officers.—President: Sir S. Montagu, Bart., M.P. Chairman of Executive Committee: J. E. Dowson, M.Inst.C.E. Secretary: E. Johnson.

Objects.—To promote the adoption of a Decimal System of Weights, Measures, and Coinage in the United Kingdom.

Membership.—Annual Subscription (minimum), 10s.

COUNTRY.

BARROW NATURALISTS' FIELD CLUB AND LITERARY AND SCIENTIFIC ASSOCIATION,

CAMBRIDGE HALL, BARROW-IN-FURNESS.

Officers.—President: Clement Mossop. Hon. Secretary: A. A. Haynes, Cambridge Hall.

Meetings.—Every Monday evening, October to March at 8 P.M., and monthly Summer Meetings. The Anniversary Meeting is held in April.

Membership. —Annual Subscription, 5s., and 2s. 6d. for each additional member of the same family.

Publications.—Annual Reports, Proceedings, etc., Vol. XV. For the 24th and 25th Years, ended 25th March 1901. 3s.

Jan. 20,

Papers read during Session 1901–1902.

and Present. Illustrated.

Paterson, Rev. G.—Thomas Carlyle. Feb. 17, 1902.

Pearson, H. G.-Old Forest Laws.

Potter, Rev. J. P. N .- Ireland, Past and

Spencer, B .- The Mistletoe. Nov. 4.

Spencer, J. T.—John Ruskin. March 10, 1902.

Demonstration Platinotype Paper Working. Feb.

J.--A

Illustrated.

10, 1902.

Present.

1902.

1901.

7, 1902

Timms,

Feb. 3, 1902.

Ba ey, R.—A Demonstration of the Wet Plate Process. Mar. 14, 1902. Benney, A. E.—Longevity, or Nature

and Everlasting Life. Dec. 2,

Durie, W., B.L.—Some Survivals.
March 3, 1902.

Gaudie, J.—Birds, Insects and Flowers. Jan. 27, 1902.

Gaythorpe, H., F.S.A. (Scot.)-* Notes on a Bronze Socketed Celt found at Bristol in 1870. Nov. 18, 1901.

Hodges, J. A., M.A.—The Pictorial Treatment of Lantern Slides. May 23, 1902.

Mossop, C.—Samuel Smiles, LL.D. Oct. 7, 1901.

Welford, W. D.—The Artistic Treatment of Prints and Slides. Oct. Osborne, Jas. W.—Photography, Past 29, 1901. * Note.—This paper was published in the Proceedings of the Bath Natural History and Antiquarian Field Club, Vol. XI. No. 4, 1901; and in The Annual Reports, etc., of the Barrow Naturalists Field Club, Vol. XV., 1902.

BATH ROYAL LITERARY AND SCIENTIFIC INSTITUTION.

TERRACE WALKS. (Founded 1825.)

Officers.—Chairman: F. Shum, F.S.A. Hon. Secretaries: T. F. Plowman; H. E. Lansdown.

> Meeting.—The Anniversary Meeting is held in March. . Membership. -- Annual Subscription, £2, 2s.

BATH LITERARY AND PHILOSOPHICAL ASSOCIATION.

Held at, and in connection with, the Institution.

Officers. - President: F. Shum, F.S.A. Chairman: G. Norman, M.R.C.S. Hon. Secretary: Mowbray A. Green, 5 Princes Terrace, Bath.

Meetings. - At 8 P. M. on the second and fourth Fridays in each month from October to May. Anniversary Meeting usually in October.

Membership. —Annual Subscription, 10s. 6d.

Papers read during Session 1901–1902.

Benson, J. R., F.R.C.S.—Notes on the Origin and Character of our Race.

Medley, Rev. J. B., M.A.—Who were the Carvers of the Monumental

Mar. 7, 1902.

Bond, T. B., F.R.I.B.A.—Harmonics of Vibration. Nov. 15, 1901.

Fausset, Rev. W. J., M.A.—Corsica. Feb. 21, 1902.

Horsburgh, C. B.—Birds and their Nests. Nov. 29, 1901.

King, A. J., F.S.A.—The Basilica of St Mark, Venice. Dec. 13, 1901.

Effigies in our Cathedrals and Parish Churches ! Jan. 24, 1902.

Scarth, L., M.A.—Cervantes and Don

Quixote. Apr. 11, 1902.

Thackwell, J. de R.—Irish Men of
Letters. March 21, 1902.

Tylee, E. S., M.A.—Rudyard Kipling.

Jan. 10, 1902.

Ward, J. L., M.A.—The Unification of Italy, 1848-70. Nov. 1, 1901

BIRMINGHAM AND MIDLAND INSTITUTE SCIENTIFIC SOCIETY.

BIRMINGHAM AND MIDLAND INSTITUTE.

Officers. - President: A. E. Tuck, F.I.C. Hon. Secretary: A. Cresswell, Midland Institute.

Meetings. -On Wednesdays at 8 P.M.

Membership.—Annual Subscription, 26s. (including Subscription of 21s. to the Midland Institute).

Publication.—Meteorological Records taken at Institute Observatory, 1901. By A. Cresswell. 2s.

Papers read during Session 1901–1902.

Burstall, Prof. F. W., M.A.—The History of the Internal Combustion Engine. Mar. 12.
Gilson, R. C., M.A.—Ice. Nov. 6. Gilson, R. C., M.A.—Ice. Nov. 6.

Hall, J. W.—Heat Engines. Dec. 18.

Johnston, G., B.A.—Philately. Oct. 23.

Marshall, J. G., A.M.I.C.E.—Boiler
and Steam Pipe Explosions. Dec. 4.

Meachem, F. G.—Temperature of
Earth's Crust. Nov. 6.

Poynting, Prof. J. H., D.Sc., F.R.S.—
Physical Law. Feb. 23.

Renouf, P. L., B.A.—The Evolution of the Bicycle. Nov. 27.

Thompson, H. S., F.L.S.—Suggestions for the Formation of a Midland

Herbarium. Oct. 30.

Tucker, A. E., F.I.C.—Our Society.
Feb. 12.

Watson, C. J.-Recent Advances in Wireless Telegraphy. Mar. 5.
Watson, J. D.,—Septic Treatment of
Sewage. Feb. 5.

BRADFORD PHILOSOPHICAL SOCIETY,

CHURCH INSTITUTE, BRADFORD.

(FOUNDED 1865.)

O. Hors. - President: D. Goyder, M.D. Hon. Secretaries: J. H. Heighton, 43 Beaumont Road, Manningham; J. E. Wilson, Yew Bank House, Ilkley.

Meetings. -On Thursdays during the Winter months at 7.45 P.M. The Anniversary Meeting takes place in April.

Membership.—Entrance Fee for Associates, 5s. Annual Subscription for Family Members, £2, 2s.; for Members, £1, 1s.; for Associates, 10s. 6d.

Papers read during Session 1901–1902.

Birrel, A., K.C.—Boswell's Johnson as | Murray, J. A. H., M.A., D.C.L.—The a Work of Art. Jan. 30.

Campbell, H. C., M.D.—The Cell. Sept. 26.

Dometsch, A .- English Music of the

16th and 17th Centuries. Feb. 13.

Haddow, W. H., M.A., Mus. Bac.—
Classical and Romantic Ideals in
Music. Mar. 25.

Hill, A., M.A., M.D.—The Brain as

the Apparatus of Mind. Dec. 5.

King, R. A., M.A.—Six Lectures on "The English Novelists." Jan. 9-Mar. 20.

R.Marriott, J. A. M.A.—The Romances of Nathaniel Hawthorne. Oct. 3.

Mill, H. R., D.Sc., F.R.G.S.—The Weather. Mar. 13.

World of Words and its Explorers. Oct. 10.

Norman, H., M.P.—Russia To-day.
Feb. 27.
Reed, E. T.—Caricature, in and out of
Parliament. Nov. 21.
Robertson, Sir G. S., K.C.S.I.—Among
the Wild Hill Men of Northern India. Oct. 24.

Robinson, Rev. Canon, M.A.—Hausaland, or Fifteen Hundred Miles in the Central Sudan. Nov. 7.

Thatcher, G. W., M.A.—Four Lectures on "Assyriology." Oct. 31-Dec. 12.

Wenlock, Lord. — The Voyage of the "Ophir." Feb. 5.

BRADFORD SCIENTIFIC ASSOCIATION.

MECHANICS' INSTITUTE, BRADFORD.

Officers. - President: Thos. Pawson. Hon. Secretary: Ernest J. Sutcliffe, 256 Killinghall Road.

Meetings. - Ordinary Meetings on Friday evenings at 7.30 P.M. The Annual Meeting is held in October.

Membership.—Annual Subscription, 5s.: Ladies, 2s. 6d.

List of Papers read during Session 1901-1902.

Alexander, R. S., M.A., F. L.S. -- ! Food and its Relation to Health. Oct. 18.

Bingley, G.—Geological Photography. Dec. 13.

Bottomley, J. R.—Laundry Machinery. Nov. 15.

Butterfield, E. P.—A Chat on our Local Birds. Feb. 14.

Bynoe, F. Nov. 1. O.—Photographic Facts.

Cash, W., F.G.S.—A Visit to Mexico. Nov. 22.

Charnock, G. F., A.M.I.C.E. - The Science of Mechanism. Dec. 6.

Geldard, J., F.C.S., and W. Shepherd. — Children's Evening. Jan. 17.

Gregory, E. E., and J. Monckman, D.Sc. -Last Summer's Work. Jan. 31. Johnson, H. A., M.I.C.E.—Notes on

Meteorology. Jan. 24.

Jones, H. A.-Electro-Motors. Mar. 21.

Jowett, A., M.Sc. - The Earliest Evidence of Glacial Conditions in

Britain. Dec. 20. Keighley, A., F.R.P.S.—A Tour round

an Old Garden. Feb. 21.

Law, R., F.G.S.—Caves and their

Contents. Nov. 8. son, T.— Presidential Address. Pawson, 2 Oct. 11.

Slatter, G. W., F.I.C., etc.—Water Softening. Mar. 7.

Smith, G. R.—Observations on the Testing of Cloth and Yarn. Nov.

Speight, H .- Some Notable Yorkshire Places. Feb. 7.

Sunderland, A. E.—Why does Cloth Dye? Jan. 10. Winter, W. P., B.Sc.—The Scattering of Seed. May 14.

BRIGHTON AND HOVE NATURAL HISTORY AND PHILOSOPHICAL SOCIETY.

PUBLIC LIBRARY, BRIGHTON.

Officers. - President: E. A. Pankhurst. Hon. Secretary: J. C. Clark, 64 Middle Street.

Membership. - Entrance Fee, 10s. for Gentlemen; Ladies free; Annual Subscription, 10s.

Meetings.—On Wednesdays from October to June, at 8 P.M. Annual Meeting, second Wednesday in June.

Papers read during Session 1901-1902. Abstracts of those read before June are published in the "Annual Report," 1901.

Caush, D. E., L.D.S.—Parasites, Vegetable and Animal. Dec. 11.

Christy, M., F.G.S.-Polar Problems, Arctic and Antarctic. Nov. 14. Connold, E. T., F.E.S.—British Vege-

table Galls. Feb. 20.

Enock, F., F.E.S.—Insect Architects and Engineers. Mar. 4.

M'Pherson, W., F.G.S.—The Zones of the Chalk near Brighton. Apr. 10. Pankhurst, E. A.—Some Optical Illu-

sions. Jan. 15.

Petrie, Prof. F.—Excavating in Egypt and its Results. Oct. 17, 1901.

Toms, H. S. - Some Prehistoric Camping Grounds near Brighton. May 8.

BRISTOL LITERARY AND PHILOSOPHICAL CLUB, 20 BERKELEY SQUARE.

Officers. - President: Lewis Fry, M.P. Hon. Secretary: F. J. de Soyres.

Meetings.—Ordinary Meetings on first Tuesday in each month. The Anniversary Meeting takes place in last week of January.

Membership.—Entrance Fee, 21s.; Annual Subscription, 42s.

[No Return.*]

BURTON-ON-TRENT NATURAL HISTORY AND ARCHÆOLOGICAL SOCIETY,

30 HIGH STREET. (FOUNDED 1876.)

Officers. —President: G. M. Day. Hon. Secretary: B. L. Oswell, 5
Balmoral Road.

Meetings.—The third Thursday in each month, from October to April, at 8 p.m. The Anniversary Meeting takes place in October.

Membership.—Annual Subscription, 5s. Entrance Fee, Nil.

List of Papers read during Session 1901-1902.

Churchill, R.—Nature's Triangle: a Lesson on Leaves. Dec. 19.

Day, G. W.—Natural Curiosities. Nov. 21.

Lynam, G. T.—Notes on Burton Rainfall. Apr. 17.

Matthews, C. G., and B. L. Oswell.—
The Microscopical Life in the River
Trent, Jan. 16.
Robinson Rev. W. The Tetam, Oct 17.

Robinson, Rev. W.—The Totem. Oct. 17. Storer, G. H.—The Birds of the Sea-Shore. Feb. 20.

CAMBRIDGE PHILOSOPHICAL SOCIETY,

PHILOSOPHICAL LIBRARY, NEW MUSEUMS.

Officers.—President: Prof. A. Macalister, F.R.S. Hon. Secretaries: A. E. Shipley, M.A., Christ's College; S. S. Skinner, M.A., Christ's College; H. M. Macdonald, M.A., Clare College. Librarian: S. Matthews.

Membership.—Entrance Fee, £1, 1s.; Subscription, £1, 1s.; Composition Fee, £11, 11s.

Meetings.—Fortnightly on Mondays during full Term at 4.30 P.M. The Anniversary Meeting takes place in October.

Publications.—Proceedings, three numbers issued Annually, 2s. 6d. per part; Transactions, issued occasionally at 7s. 6d. per part.

List of Papers read before the Society during the Session 1901-1902.

Arber, E. A. N.—The Type Specimens of Lygenodendron Oldhamium (Binney). Nov. 25.

(Binney). Nov. 25.

Baker, W. C.—On the Influence of Ultra-Violet Radiation on the Discharge in a Vacuum Tube having a Polished Zinc Electrode. May 19.

Barcroft, J.—On the Extraction of the

Gases from one Cubic Centimetre of Blood. Mar. 3.

Basset, A. B.—On Trinodal Quartics.

May 5.

Bevan, P. V.—The Influence of Currents in Metals on Reflected and Transmitted Light. Mar. 3.
(P., xi. 5.)

Bevan. P. V.-Reflection and Transmission of Light by a Charged Metal Surface. May 5.

On some Phenomena connected with the Combination of Hydrogen and Chlorine under the Influence

of Light. Oct. 28. (P., xi. 4.)

Bernard, H. M.—The Unit of Classification in Systematic Biology.

Nov. 11. (P., xi. 4.)

Brindley, H. H.—Regeneration in Samia ailanthus. May 5.

Bromwich, T. J. Pa.-On a Definite

Integral. May 5.

Budgett, J. S.—An Exhibition of Fishes and Amphibians to illustrate New Methods of Mounting Specimens for Museums. Nov. 11.

Crocker, J. C .- The Formation of Dinitro-phenoxazines. Feb. 3. (P., xi. 5.)

- On the Interaction of Thiocyanates, Picric Chloride, and Alcohols.

Feb. 3. (P., xi. 5.) Crossland, C.—The Coral Reefs of Zanzibar. May 19.

Cunningham, J. A.—On an Attempt to Detect the Ionisation of Solutions by the action of Light and Röntgen Rays. May 19.
rcy, R. F.—Decomposition of

D'Arcy, Hydrogen Peroxide by Light. Feb. 3.

Dixon, A. C.—Note on the Reduction of a Ternary Quantic to a Symmetrical Determinant. Feb. 3.

(P., xi 5.)

caster, L.—Notes on the Development of Sagitta. Nov. 11. Doncaster, L.-(P., xi. 4.)

Duckworth, W. L. H.-A Note on the Dispersive Power of Running Water on Skeletons: with Particular Reference to the Skeletal Remains of Pithecanthropus erectus. May

19. (P., xi. 6.) Fenton, H. J. H.—Oxidation in Presence of Iron. Feb. 3. (P., xi. 5.) Filon, L. N. G.—On the Variation of

Double Refraction in Strained Glass with Wave-length. May 19.

Gardiner, J. S.—Some Observations on Protandry and Senescence in Flabellum. May 19. (P., xi. 6.)

On the Unit of Classification for

Systematic Biology; a reply to Mr Bernard. May 5.

Gardiner, W., and A. W. Hill .- The the Endosperm Histology of during Germination in Tamus communis and Galium tricorne. Feb. 17.

Grace, J. H.—On the Zeros of Polynomials. Nov. 25. (P., xi. 5.)

Hardy, G. H.—On the Differentiation and Integration of Divergent Series. Feb. 17.

Hobson, E. W .- Some Remarks on the Notion of Number. Oct. 28.

Hill, A. W. See W. Gardener, Kerr, J. G.—On the Genito-urinary Organs of Dipnoan Fishes, Jan.

20. (P., xi. 5.)

Jones, H. O., and O. W. Richardson.— Note on a Method for Determining the Concentration of Hydrogen Ions in Solution. Feb. 3. (P., xi. 5.)

J. J.—Demonstration on the Dimorphisim of the Foraminifera. Feb. 17.

H. Macdonald, M.—Remarks Marconi's System of Telegraphy. May 5.

M'Lelland, J. A .- On the Action of Incandescent Metals in produc ng Electric Conductivity in Gases. Nov. 25. (P., xi. 4.)

MacMahon, Major P. A.—On the Semivariants of Systems of Binary A.—On the Quantics, the Order of each Quantic

being Infinite. Nov. 25.

Menon, K. R.—Notes on Semper's
Larva. Mar. 3. (P., xi. 5.)

Morrell, R. S.—Oxidation of Glucosone to Trioxybutyric Acid. Feb. 3.

(P., xi. 5.)

Nuttall, G. H. F.—Further Observations on the Biological Test for

Blood. Jan. 30. (P., xi. 5.)

Pocklington, H. C.—On a Method of
Increasing the Sensitiveness of
Michelson's Interferometer. Mar. 3. (P., xi. 5.)

Richardson, O. W.-On the Influence of Molecular Attraction of Collisions. May 19.

The Negative Radiation from Hot Platinum. Nov. 25. (P., xi. 4.)

See also Jones, H. O. Searle, G. F. C.—On the Coefficient of Mutual Induction between a Circle and a Circuit with two Parallel Sides of Infinite Length. Mar. 3.

(P., xi. 5.)
Solly, R. H.—Notes on Minerals from the Legenbach Binnenthal, with an Analysis by Mr H. Jackson.

Thomson, J. J.—On the Conductivity of the Vapours of the Alkali Metals. Mar. 3.

On Induced Radio-activity. Mar. 3. On the Increase in the Electrical Conductivity of Air Produced by its Passage through Water. May 5.

On the Ions produced by an Incandescent Platinum. Nov. 25.

Vincent, C. A.—Note on a General | Numerical Connection between the Atomic Weights. May 5.

Walker, G. T.—On some Problems in

Electric Convection. Oct. 28.

Ward, H. M.—On the Question of

Predisposition and Immunity in Plants. Jan. 20. (P., xi. 5.)

Wilson, C. T. R.—On Radio-active Rain. May 5. Wilson, H. A.—The Hall Effect in Gases at Low Pressures. Oct. 28. (P., xi. 4.)

On the Hall Effect in Gases at Low Pressures (second paper). Mar. 3. (P., xi. 5.)

CHESTER SOCIETY OF NATURAL SCIENCE. LITERATURE, AND ART,

GROSVENOR MUSEUM, CHESTER. (FOUNDED 1871.)

Officers. - President: Rev. A. H. Fish. Hon. Secretaries: G. P. Miln, Milnholme, Brook Lane, and W. F. J. Shepheard, Bridge Street Row.

Meetings. - Ordinary Meetings held every Thursday from October to April. at 8 P.M. The Anniversary Meeting takes place in May.

Membership.—No Entrance Fee; Annual Subscription, 5s.

Papers read during Session 1901-1902. Those marked * have since been published in the "Annual Report and Proceedings," 1s.

Arkle, J.—Notes and Observations on | King, Dr H. W.—Tuberculosis. Nov. Zoology. Jan. 30.

Bax, H. J.-An Outline of the Theory

of Evolution. Dec. 5.

Bacon, Miss G.—Across Three Continents on the Track of a Shadow. Jan. 16.

Barker, Miss C .- Education in Connection with Public Health. Jan. 9.

Dobie, Dr W. H.—Notes and Observa-tions on Zoology during the past Year. Jan. 30.

Edwards, F. G., M.R.C.V.S.—Some Animal Diseases transmissible to

Man. Apr. 17.
Fish, Rev. A. H., B.A., B.Sc.—

Galileo Galilei. Apr. 3.

Gerland, Dr C.—In a Norwegian
Yacht to North Lat. 81° 37'. Mar. 6.

Goodman, A. E.—The Microscope. Feb. 27.

Green, Dr C. T., F.L.S.-Our Local Fungi; how to study them. Nov. 21.

Lucas, A. W., F.G.S.—How Rocks were Formed. Feb. 20. Miller, Rev. P. A., M.A.—Dante

Miller, Rev. P. A., M.A.—Dante Gabriel Rossetti. Nov. 28. Newstead, R., A.I.S., F.E.S.—Notes and Observations on Zoology. Jan. 30.

- My Natural History Work. Feb.

Phillips, Prof.—The Vegetation of the Sea. March 13.

Roberts, E. O.—Count Leo Tolstoi. Jan. 23.

Smith, J. K.—Water. Nov. 14.
Thomson, J.—Notes and Observations

on Zoology. Jan. 30.

Thorpe, T.—The Spectroscope and its

Revelations. Dec. 5.
Welsh, J., M.R.C.S., etc.—Sleep. Feb.

Whichello, Dr.—The Delineation of Celestial Objects—Drawing v. Photography. Mar. 20.

ROYAL CORNWALL POLYTECHNIC SOCIETY,

POLYTECHNIC HALL, CHURCH STREET, FALMOUTH.

Officers. - President: Sir W. H. Preece, K.C.B., F.R.S. Secretary: Edward Kitto, F.R. Met. Soc., The Observatory.

Meetings. - Ordinary Meetings as required. Annual Meeting second week in February. Exhibition in August and Conversazione in October.

Membership.—Annual Subscription (minimum): Gentlemen, 10s.; Ladies, 5s.

Inaugural Address delivered at the Meeting in November 1901, and published in the Report for that year (2s.).

Preece, Sir Wm. H., K.C.B., F.R.S.—Terrestrial Magnetism.

DEVONSHIRE ASSOCIATION FOR THE ADVANCE-MENT OF SCIENCE, LITERATURE, AND ART.

Officers.—President: Sir Roper Lethbridge, K.C.I.E., D.L., M.A. Hon. Secretaries: J. B. Brooking-Rowe, F.S.A., Castle Barbican, Pympton; M. Adams, Wolborough House, Newton Abbot.

Meetings. - Three days in July or August.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

Publications, 1901.—Report and Transactions, XXXIII. Calendar of Devonshire Wells and Administration in the Principal Registry of the Bishop of Exeter, Part 3.

Papers read on July 31 and August 1, 1901, at Exeter.

Adams, M.—An Index to the Printed Literature relating to the Antiquities, History, and Topography of Exeter.

Amery, P. F. S.—Eighteenth Report on Devon Folk-Lore.

Bignell, C. G.—The Braconidæ (Ichneumonidæ) of the South of Devon.

Bingham, Rev. W. F. S., M.A.— Modus for the Parish of Kenton confirmed at the Castle of Exeter, A.D. 1606.

Brooking - Rowe, J. — Twenty-second Report of the Scientific Memoranda Committee.

Tenth Report of the Committee on Devon Records.

Brushfield, T. N., M.D.—The Financial Diary of a Citizen of Exeter, 1631-1643.

Burnard, R., F.S.A.—Seventh Report of the Dartmoor Exploration Committee.

Chandler, A., M.A. — Nineteenth Report (Third Series) of the Committee on the Climate of Devon.

Cotton, R. W.—Food and its Associations.

Davies, W.—Notes on Kingsbridge Documents, etc.

Dickenson, Rev. F. B.—The Early Register of the Parish of Fen Ottery, 1596-1680.

Elliot, E. A. S., M.R.C.S.—On some Earthworks in the South Hams, probably connected with the Irishman's Raid, and others in the immediate neighbourhood belonging to Judhel de Totnais.

Ingham, W., M.I.C.E. — Some Statistics dealing with Evaporation, Rainfall, and Delivery of Streams in Devonshire.

Jewers, A. J.—The Churches of Colyton and Shute and the Pole Monuments there.

Jordan, W. F. C.—The Adventures of the "Ann," of the Port of Exeter, 1803-1806.

Lega-Weckes, Miss E.—Neighbours of North Wyke.

Lowe, H. J.—On the Relation of the South Devon Schists to the Devonian Slates.

Prickman, J. D.—Fragmentary Notes of the French Prisoners in the West of England and other places in the Early Part of the Nineteenth Century.

— A Chapter in the History of the Chapel of St James, in the borough of Okehampton.

Prowse, A. B., M.D.—The Antiquities of Okery and Pound Hill, Dartmoor.

— A hitherto undescribed Granite Cross on the Abbot's Way, Dartmoor.

Radford, Mrs G. H.—Edmund and Richard Tremayne.

Reichel, Rev. O. J., M.A.—The Devonshire Domesday, Part V. The Hundreds, Part VI. Identifications. Risk, Rev. J. E., M.A. - Apprenticeship Indentures from Stockleigh English Parish Church.

Saunders, Miss H.—Botanical Notes. Somervail, A .- On the Occurrence of

Pleistocene Deposits in the bottom of the Teign Gorge.
On the Excavation of the Teign

Gorge.

Troup, Mrs F. B .- Notes on the

District Probate Registry Exeter.

Whale, Rev. T. W .- Extracts from the Red Book, and Notes on the Pipe Rolls of Henry II.

Windeatt, E.—Totnes: its Mayors and Mayoralties. Part II. Worth, R. H., C. E.—Twentieth Report

of the Committee on Barrows.

DONCASTER SCIENTIFIC SOCIETY.

9 PRIORY PLACE.

Officers. - President: T. Cuttriss. Hon. Secretary: H. H. Corbett, M.R.C.S., 9 Priory Place.

Meetings. - Second and fourth Wednesdays, from October to April inclusive, at 8 P.M. The Anniversary Meeting takes place in October.

Membership.-No Entrance Fee; Annual Subscription, 3s. 6d.

[No Return.*]

THE DORSET NATURAL HISTORY AND ANTI-QUARIAN FIELD CLUB.

(FOUNDED 1875.)

Officers. -- President: Lord Eustace Cecil. Hon. Secretary: H. C. March, M.D., Portesham, Dorchester.

Meetings.—Two Meetings at the Dorset County Museum, in December and February. Four Field Meetings in Summer. The Annual Meeting is in May.

Membership. - Entrance Fee, 10s.; Annual Subscription, 10s.

Publication. —Proceedings.

Papers read in 1902.

Elwes, Capt. J. R. W.—Eponymous | Leighton, G., M.D.—Colour Variation Families of Dorset. in British Adders. March, H. C., M.D.—The Giant and the Maypole of Cerne.

HERTFORDSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB.

UPTON HOUSE, WATFORD, AND HERTFORDSHIRE COUNTY MUSEUM, ST ALBANS.

(Founded 1875 as the "Watford Natural History Society and Hertfordshire Field Club." Reconstituted 1879.)

Officers.—President: Lewis Evans, F.S.A. Secretaries: A. E. Gibbs, F.L.S., Kitchener's Meads, St Albans, and T. E. Lones, M.A., Rokeby Lodge, Watford. Editor: John Hopkinson, F.L.S., F.G.S., Weetwood, Watford.

- Meetings. —Tuesdays at 8 P.M. The Anniversary Meeting takes place in March. Membership.—Entrance Fee, 10s.; Annual Subscription, 10s.
- Publications. Transactions, Vol. X. Part 9; XI. Part 1, 1s, 6d., and 2 (1901), Parts 3 and 4 (1902), 1s. 6d. each; Part 5, 1s. (Gurney & Jackson, London.)
- Papers read during Session 1901–1902. Those published are marked *: those marked t will be published in subsequent issues of the "Transactions."
- Bickerton, W .- Notes on Birds observed
- in Hertfordshire during the year 1901.* Mar. 25, 1902.

 Crossman, A. F., F.L.S.—Among the Birds in Hertfordshire. Nov. 12, 1901.
- Bird Life in Hertfordshire. Jan. 16, 1902.
- Evans, L., F.S.A.—Progress during the Nineteenth Century (Anniversary Address).* Mar. 4, 1902. Gibbs, A. E., F.L.S.—Notes on Lepi-
- dopters observed in Hertfordshire in the year 1901.* Mar. 25, 1902.

 Hill, A. W., M.A.—A Journey through Iceland. Jan. 7, 1902.

 Hopkinson, J., F.L.S.—The Climate of Hertfordshire.* Mar. 25, 1902.
- Meteorological Observations taken

- in Hertfordshire in the year 1901.* Mar. 25, 1902.
- Report on the Rainfall in Hertfordshire in the year 1901.* Mar. 25, 1902.
- Report on the Conference of Delegates to the British Association at Glasgow in 1901. Mar. 25, 1902.
- Kent, A.—Egypt, Ancient and Modern. Dec. 3, 1901.
- Mawley, E., F.R.Met.Soc.—Report on Phenological Phenomena observed in Hertfordshire during the year
- 1901.* Mar. 25, 1902.
 Saunders, J., A.L.S.—The Teaching of the Earth. Mar. 5.
- Notes on the Fish of the Upper Lea.* Mar. 25, 1902.

HULL LITERARY AND PHILOSOPHICAL SOCIETY,

ROYAL INSTITUTION, ALBION STREET.

- Officers.—President: H. Woodhouse, LL.D. Hon. Secretaries: H. W. Pigeon, M.A., 6 Albion Street.
 - Meetings.—On Tuesdays at 8 P.M., from November to April inclusive. Anniversary Meeting takes place on last Friday in May.
 - Membership.—No Entrance Fee; Annual Subscription, 21s.

Publication, 1902. - Annual Report.

Papers read during Session 1901-1902.

- Borchgrevink, C. E., F.R.G.S.—First on the Antarctic Continent. * Nov. 12, 1901.
- Brice, A. M., F.G.S., F.R.G.S.—The Great Siberian Railway.* Jan. 7, 1902.
- Brown, Prof. G. B., M.A.—The Artistic Life of Italian Cities.* M.A.—The
- Feb. 11, 1902.

 Coleman, F. A.—With the Allies to Pekin.* Mar. 4, 1902.

 Dyer, L.—Recent Explorations in Crete.* Jan. 21, 1902.

- Friend, Miss. Sidelights on the Siege
- of Mafeking.* Nov. 26, 1901. Grant, Prof. A. J., M.A.—Walter Scott, Poet and Novelist. Feb. 4, 1902.
- Kendall, Prof. P. S., F.G.S.-The Evolution of the Rivers of York-
- shire, * Jan. 14, 1902.

 Marshall, Rev. W., M.A. Church
 Screens and Roofs. * Dec. 10, 1901.
- M'Cormick, Rev. Canon, D.D.—Orators Past and Present. Mar. 25, 1902.

its People, * Feb. 18, 1902. Reed, E. T .- Caricature in and out of Parliament. Dec. 3, 1901.

Mountmorris, Viscount. - America and Robertson, Sir G., K.C.S.I., F.R.G.S. -Chitral, and the Story of the Siege.* Dec. 17, 1901.

HULL SCIENTIFIC AND FIELD NATURALISTS' CLUB.

YOUNG PEOPLE'S INSTITUTE, CHARLOTTE STREET.

Officers. — President: J. Audas. Hon. Secretary: T. Sheppard, F.C.S., Eastgate, Hull.

Meetings. - Wednesdays at 8 P.M. The Anniversary Meeting is held in September.

Membership. - No Entrance Fee: Annual Subscription: Town Members, 4s.; Country Members, 2s.; Life Members: Town, £2, 2s.; Country, £1, 1s.

Publications, 1901.—Transactions, Vol. I. No. 4, price 5s. Diatomacea of the Hull District, 4s. 6d.

Papers read from March 1901 to July 1902.

Audas, T.—Flightless Birds. Oct. 9. Boult, J. W.—Twenty Years Collect-

ing around Hull. May 15, 1901.

Foster, H. M.—Birds. Jan. 22.

Frost, C., F.S.A.—Local Merchants'
Marks. Aug. 7.

Gore, C. H., M.A.—Some Types of
Weather in the British Isles.

Nov. 20. Hill, G. H .- Holderness Water Sculp-

ture. Part I. June 7, 1902. Hollingworth, D. J., M.R.C.S.—The Mammalian Skeleton. Sept. 18.

- Insanity. Jan. 8.

Johnson, H. E .- The Pleasure of a Naturalist. Apr. 3, 1901.

Knight, H.—Aquatic Generations of Terrestrial Plants. Apr. 30, 1902. Lamplough, E.—The Organs of Coleop-tera. May 29, 1901.

Notes on the Early History of

Hull. Feb. 5.

F. — A Flower Study: Evolutionary and otherwise. June 26, 1901.

W.—Natural C. History Rambles with the Camera. Apr. 17, 1901.

Philip, R. H.—The Diatoms of the Humber. Dec. 4.

Robinson, J. F .- Plant Aliens. Sept 4. - Plant Movements. Mar. 19, 1901. Schofield, J.-The Anatomy of the Pine. July 10, 1901.

- Functions of Leaves. Mar. 5, 1901. Sheppard, T., F.G.S.—A Ramble along the Yorkshire Coast. Dec. 18.

Stanforth, T.—Notes on Coleoptera.
June 25, 1902.

Wade, E. W.-The Birds of Bempton Cliffs. Feb. 19.

Birds and their Nests. Apr. 16, 1902.

Wallis, H.—Odontology. 1902. Mar. 14.

Walton, Dr F. F., F.G.S.—Liassic Fossils, Aug. 21.

Warnes, A. R.—Natural and Artificial Perfumes. July 24, 1901. — Coal Products. Oct. 23.

- Cellulose. Apr. 2, 1902.

Waterfall, C.-Bladderworts and Sun-

dews. June 12, 1901.

Wilson, J. W., M.A.—Familiar Spring
Flowers. Mar. 1, 1901.

· The Chrysanthemum; its History, Development. Cultivation and Nov. 6.

- Notes on the Flora of Japan. May 28, 1902.

LEEDS PHILOSOPHICAL AND LITERARY SOCIETY,

THE MUSEUM, LEEDS.

Officers. — President: A. Smithells, B.Sc., F.R.S. Curator: H. Crowther, F.R.M.S.

Meetings. —On the first and third Tuesdays in each month, from October to April inclusive, at 8 P.M. The Anniversary Meeting takes place in May.

Membership. - Annual Subscription of £1, 1s

Publication during 1901.—Annual Report.

List of Papers read during Session 1901-1902.

Ainger, Rev. Canon, LL.D.-Walter | Crowther, H., F.R.M.S. - Primitive

Scott. Nov. 5.

Bodington, Principal, Litt. D.—The
Mycenæan Age in Crete. The
Palace at Knossos. Nov. 19.

Bond, F., M.A.—Cathedral Building
in France in the Thirteeuth

Century. Apr. 8.
Booker, R. P. L., M.A., F.S.A.—

Roman Roads in Yorkshire. Jan. 21.

Chester, Lord Bishop of. — Bishop Berkeley. Oct. 15.

Collin, Prof. J. N., F.R.S.-Exploration amongst the Canadian Rocky

Mountains. Dec. 17. Crowther, H., F.R.M.S.—The Romance of a Museum. Dec. 26.

Man. Jan. 1.

Life on the Sea-Shore. Jan. 8. Gadow, H., M.A., Ph.D., F.R.S.-Circumstances in the Life of Life of Amphibia and Reptiles. Feb. 4.

Marr, J. E., M.A., F.R.S. - The Evolution of Mountain Scenery. Mar. 18.

Mozley, J. R., M.A.-The Poetry of Byron. Feb. 18.

Maj. R., F.R.S.-Malaria and

Mosquitoes. Dec. 3.

Stewart, C., LL.D. — Protection and Nourishment of Young Fish. Jan.

Hartley, J. W., M. Inst. C. E. - Chains; Past, Present, and Possible. Mar. 4.

LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY.

TOWN MUSEUM. (FOUNDED 1835.)

Officers. — President: Rev. J. H. Molesworth, M.A. Hon. Secretary: Herbert Ellis, 112 Regent Road.

Meetings. — Fortnightly, on Mondays, at 8 P.M., from October to March inclusive. The Annual General Meeting takes place in April.

Membership. — Annual Subscription: Full Members, £1, 1s.; Associates, 10s. 6d.

Publications. - Quarterly Transactions, price 6d. each, containing Abstracts of Lectures, together with Reports, Transactions, and Papers read before the Society.

Lectures delivered during the last Session.

Armbruster, C.—The Wagner Festival. Bond, C. J., F.R C.S.—Presidential $\mathbf{A}\mathbf{d}\mathbf{d}\mathbf{ress}$.

Bothamley, C. H., F.I.C., F.C.S.-Modern Photography.

Clarke, A., M.A., M.D.—Röntgen and Allied Rays.

Diósy, A., F.R.G.S. — The Chinese Puzzle.

Farmer, Prof. J. B, F.R.S.—The Rowley, F. R., F.R.M.S.-Animal Coloration.

Influence of Epiphytic Habit on Plant Structure.

Gotch, F., M.A., F.R.S.-Electrical Fishes.

Horsley, V., F.R.S.—The Real Effects

of Alcohol. Pycraft, W. P., A.L.S., F.Z.S.—Some Phases of Bird Life.

Roberts, Dr R. D., M.A., F.G.S.—The Making of the British Isles.

LINCOLNSHIRE SCIENCE SOCIETY.

- Officers.—President: G. M. Lowe, M.D., F.R.C.P. Secretary: J. Eardley Mason, 27 Cheviot Street, Lincoln.
- Objects. To advance Scientific Knowledge and to further the establishment of a Museum for the County of Lincoln.
- Meetings.—Every alternate Friday, at 8 P.M. Anniversary Meeting in October. Membership. -- Annual Subscription, 5s.

[No Return,*]

LIVERPOOL SCIENCE STUDENTS' ASSOCIATION, ROYAL INSTITUTION, COLQUITT STREET.

Officers. - President: J. J. Fitzpatrick. Hon. Secretary: D. Griffith Davies, 11 Cecil Road, Prenton, Cheshire.

Meetings.—On the third Friday in each month, from October to April. Meetings on third Saturday in each month, from May to September. The Anniversary Meeting takes place in March.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 5s.

List of Papers read during Session 1901-1902.

Dudley, A. H.—Reproduction: the Altruism of Plant Life. (Presidential Address.) Oct. 18.

Dudley, C._R., A.Sc.—Mental Evolu-

tion. Feb. 21.

Dunn, J. W.—Hypotheses, Laws, and Symbols. A Study and Criticism

of the Scientific Method and its Results. Nov. 15.

Greenwood, H. W .- A Sketch of the Geology of Wirral. Dec. 20.

Larkin, F. C., F.R.C.S.—A Holiday in Ireland. Mar. 26.

MAIDENHEAD AND TAPLOW FIELD CLUB AND THAMES VALLEY ANTIQUARIAN SOCIETY.

(FOUNDED 1883.)

Officers.—President: Dr Playne. Hon. Sccretary: James Rutland, F.G.S., The Gables, Taplow.

Meetings. —There are three Meetings and three Excursions. The Anniversary Meeting takes place in February.

Membership.—Annual Subscription: for Gentlemen, 10s.; for Ladies, 2s. 6d.

[No Return.*]

MANCHESTER FIELD CLUB.

(FOUNDED MARCH 10, 1899.)

Officers.—President: M. Stirrup, F.G.S. Hon. Secretary: Alfred Griffiths, 16 Kennedy Street.

Meetings. - Generally monthly. Field Meetings, fortnightly during the Summer. Annual Meeting in January.

Membership. - No Entrance Fee; Annual Subscription, 10s.

[No Return.]

MANCHESTER FIELD NATURALISTS' AND ARCHÆOLOGISTS' SOCIETY.

27 BRAZENNOSE STREET. (Founded 1860.)

Officers. - President: Leo H. Grindon. Secretary: Jos. Lunt, 27 Brazennose Street.

Meetings.—Fortnightly on Tuesdays at 6.30 P.M. The Annual Meeting takes place in January.

Membership. - No Entrance Fee; Annual Subscription: Ordinary Members, 10s. 6d.; Corresponding Members, 5s.; Family Tickets, 21s.

Publication.—Report and Proceedings, January to December 1901, 1s.

List of Papers read during Session 1901-1902.

J., F.G.S. — Archæology of | Grindon. Mrs. - Botany Lectures. Mar. 15, 22, 29; Apr. 12, 19, 26. Irwell Springs. Aug. 10. Earth's Crust. Nov. 25. - Crocus and Daffodil. Apr. 18. Grindon, Leo H .- Early Flowering Kay, J.-Nature and Art. Dec. 14. Leighton, Dr G.—Snakes, British.
Apr. 26. Grasses. May 23. Botanical Gardens Flower Show. — Adder, British. Nov. 19.

Moore, Dr M. — Tennyson as a
Naturalist. Dec. 4. May 25. Passion Flower. June 12.
Trees of Old England. Nov. 2.

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY.

36 GEORGE STREET. (FOUNDED 1781.)

Officers. - President: C. Bailey, F.L.S. Secretaries: Francis Jones, F.R.S.E., Manchester Grammar School; C. H. Lees, D.Sc., Owens College. Assistant-Secretary and Librarian: C. W. E. Leigh.

Meetings.—Fortnightly, on Tuesdays (5 P.M. and 6.30 P.M. alternately), from October to April inclusive. The Anniversary Meeting takes place in April.

Membership.—No Entrance Fee; Annual Subscription, £2, 2s.

List of Papers read during Session 1901-1902, and published in the "Memoirs and Proceedings," Vol. XLVI., when marked *.

Occurrence) of Noctiluca miliaris at Red Wharf Bay, Anglesey, in

July 1901. Mar. 10.

Bailey, Sir W. H.—The Topographical Distribution of Mechanical Inventions in the County of Lancaster, and their Influence on some British and Foreign Industries. [Abstract.]* Dec. 10.

Cameron, P.—Note on two probably introduced Parasitic Hymenoptera

in New Zealand. * Jan. 13.

Darbishire, R. D., F.S.A.—On the "Implements from the Chalk Plateau" in Kent, their Character and Importance * Oct. 15.

Allen, J. F.—The Observation (or | Dendy, A., D.Sc. — The Chatham Occurrence) of Noctiluca miliaris | Islands: a Study in Biology.* Mar. 4.

Gwyther, R. F., M.A.—On the Conditions which render definite the Rate of Propagation of an Earth-

Tremor.* Mar. 18.

Hoyle, W. E., M.A., F.R.S.E.—The Luminous Organs of Pterygioteuthis

margaritifera, a Mediterranean Cephalopod.* May 13. Hurst, C. P.—The Range of Diotis candidissima, Desf., in England and Wales, and in Ireland.* Oct. 1.

Hutton, R. S., M.Sc.—On the Fusion of Quartz in the Electric Furnace.* Jan. 7.

Kay, T .- On the Hypnotic Influence produced by Persistent Motion and Sparkling Objects. [Abstract.]* Apr. 15.

King, J. E., M.A.—Folk-lore of the North-American Indians, from the "Jesuit Relations" (1611-1637).

Feb. 4 and Mar. 18.

Laidlaw, F. F., B.A.—The People of Malacca. [Abstract].* Apr. 29.

Melvill, J. C., M.A., F.L.S.—Notes upon

Chrysanthemum sinense, Sabine, and C. Indicum, L.* Jan. 7.

Petavel, J. E.—On the Measurement of High Pressure Explosions.*

Nov. 26.
Stansfield, E., B.Sc.—Preliminary Note on the Preparation of Barium.* Oct. 29.

Stromeyer, C. E., M. Inst. C. E. —On Explosions of Steam Pipes due to Water-Hammers.* Oct. 29.

- Chemical Gas Washing Apparatus.* Jan. 7.

Taylor, R. L., F.C.S.—On a Modifica

tion of Rose's Method of Separating Cobalt and Nickel.* Feb. 18. Wiess, F. E., B.Sc., F.L.S. — On Xenophyton radiculosum (Hick), and on a Stigmarian Rootlet probably related to Lepidophloios fuliginosu (Williamson).* 21.

Wilde, H., D.Sc., F.R.S.—On the Evolution of the Mental Faculties in Relation to some Fundamental Principles of Motion. (The Wilde

Lecture.)* Feb. 25.
On the Atomic Weights and Classification of the Elementary Gases, Neon, Argon, Krypton, and

Xenon. Apr. 15.

Wilson, G., D.Sc.—On the Failure of certain Cast Steel Discs used in the Manufacture of Drawn Tubes.*

NEWCASTLE-ON-TYNE LITERARY AND PHILO-SOPHICAL SOCIETY.

WESTGATE ROAD. (Founded 1792.)

Officers. - President: R. S. Watson. Hon. Secretaries: Frederick Emley; A. Holmes. Librarian: H. Richardson.

Meetings.—Second Tuesday in each month. The Anniversary Meeting takes place on the first Tuesday in February.

Membership. - No Entrance Fee. Annual Subscription, One Guinea.

List of Lectures delivered during Session 1901-1902.

Friend, Miss. - Black and White in South Africa. Jan. 20. Hadow, W. H., M.A.—Principles of

Musical Style. Jan. 13.

Hele-Shaw, Prof. H. S., LL.D., F.R.S.

Lines of Force in a Magnetic

Halles of Force in a magnetic Field. Feb. 3.

Hewlett, M.—History as Saga. Oct. 7.

Lord, W. F., M.A.—The Novelists of Last Century. Oct. 14.

Miall, Prof. L. C., F.R.S.—The History of a Fly. Feb. 24.

Oliver, Prof. T., M.A., M.D.—The Simplon Tunnel and its Construction—a Vicit to the Works and tion-a Visit to the Works and

Workmen. Jan. 6.
Pares, B., M.A.—The Future of Russia. Oct. 21.

Pearson, Prof. K., F.R.S.—The Basis of Heredity. Nov. 11. Prout, Prof. E., Mus.D.—Bach's Well

Tempered Clavier. Feb. 10.

Robertson, Sir G., K.C.S.I.—Amongst the Wild Hillmen of Northern India. Nov. 18.

Robertson, J. M.—The Reform of History. Dec. 9. Shelley, H. C.—From Savage to Man.

Feb. 17.

Smithells, Prof. A., F.R.S.—Flame. Dec. 2.

lmann, M. H.—The Wallace Collection. Nov. 4. Spielmann,

Werner, Miss A .- The Natives of South-Eastern Africa. Oct. 28.

Witt, Mrs. - Flemish Painters of the Fifteenth Century. Nov. 25.

PENZANCE NATURAL HISTORY AND ANTI-QUARIAN SOCIETY.

THE MUSEUM. PUBLIC BUILDINGS. (FOUNDED 1839.)

- Officers. President: H. M. Montgomerie, M.D. Hon. Secretary: J. B. Cornish, J.P., Parade Street, Penzance.
- Meetings. Second Friday in each month, November, January, and March, at 8 P.M. The Anniversary Meeting takes place in November. Excursions during the Summer months.
- Membership. No Entrance Fee; Annual Subscription, 10s. 6d.

Papers read during Session 1901-1902.

Cunningham, J. T .- Japanese Fowls. | Jan. 11.

Lachszyrma, Rev. W. S .- Cornwall before the Coming of the Celts. Dec. 11.

Lachszyrma, Rev. W. S.—New Lights on Old Cornwall, Jan. 10. Roseorla, L.—Notes on Astronomy. Feb. 14.

Rowe, J. H .- The Meaning of Penzance. (Second paper.) Dec. 11.

PETERBOROUGH NATURAL HISTORY, SCIENTIFIC, AND ARCHÆOLOGICAL SOCIETY.

MUSEUM, MINSTER CLOSE.

- Officers. President: G. C. W. Fitzwilliam, J.P. Secretary: J. W. Bodger, 18 Cowgate.
- Meetings. Monthly, from October to April. The Anniversary Meeting takes place in March.
- Membership.—Ordinary Members pay 5s. and upwards yearly; Life Members, Five Guineas in one sum; Associates, 2s. 6d. yearly; Corresponding Members, no Subscription.
- Publication .- Annual Report.

List of Papers read during 1901.

Chubb, Rev.H. P. B.—Spiders. Feb. 26.

Crookham, Rev. W. T. R.—Experiences during the War. Mar. 5. Fickling, W., B.A.—Rome. Mar. 28.

Fickling, W., B.A.—The Story of Fotheringhay. Nov. 19. Slater, Rev. H. H., F.G.S.-Birds as Friends or Foes to Man. Feb. 14.

PRESTON SCIENTIFIC SOCIETY,

119A FISHERGATE.

- Officers.—President: Rt. Hon. the Earl of Derby, K.G., G.C.B., etc. Hon. Secretary: W. H. Heathcote, F.L.S., 47 Frenchwood Street.
- Meetings .- Ordinary Meetings every alternate Wednesday at 8 P.M. Sectional Meetings as may be arranged. The Anniversary Meeting is held in September.
- Membership. Annual Subscription, 5s.: Life Members, £3, 3s.

Papers read during Session 1901-1902.

Anderton, Rev. N. — Jean Francois | Iles, J. C., M.A. Theory of Cases.
Millet. Jan. 23.
Mar. 7. Banister, Rev. E. D., M.A.—Stained-Glass Windows. Jan. 30.

Baron, W. - Hand-Camera Work. Nov. 5.

Bellingham, E. A.—Jokes and Jokers. Dec. 3.

Benson, D. E., Moon. Nov. 6. A.M. I.C.E.—The

Binner, Rev. W., M.A.—Tennyson's
"In Memoriam." Apr. 17.

Bramwell, J., and J. C. Hes, M.A.-Optics. Dec. 13 and 20.

Busby, J.—Platinotype. Dec. 17.

Carter G.—Botany of the North Bank of the Ribble Estuary. Nov. 13. — Botany of the South Bank of the

Ribble Estuary. Feb. 26. Chappel, Rev. W.—The Dynamics of

the Soul: a Study in the Dramatic Art of Browning. Mar. 20.

Clitheroe, W.—Botany in Winter. Nov. 27. Collinson, Rev. S. E.-Birds' Nests

Photography. Jan. 28. Cortie, Rev. A. L., S. J. - The

Chemistry of the Stars. Jan. 8. Coupe, Rev. C., S.J.—Life and Evolution. Mar. 4.

Dickson, E., F.G.S.—The Lake district during the Glacial Period. Jan.

- Microscopical Rock Sections. Feb.

Flegg, C. T.-Weather. Nov. 26. France, J.—Pond Botany. Feb. 12. Green, Dr. - The Spectroscope. Nov. 1. Green, Mrs.-James Russell Lowell. Feb. 20.

Hewitson, A.—Dickens in and about Preston. May 1.

Holden, Miss.—Résumé of English Art. Apr. 3.

- See also Bramwell.

Lardge, Rev. W. T .- Flower Lore. Mar. 26.

Leahy, Prof. A. H., M.A.—Invisible Stars. Nov. 16.

Leighton, G., M.D.—The Haunts, and Life of British Snakes. Slides and Specimens. Nov. 21.

Marsden, J.—Thomas Henry Huxley: an Appreciation. Mar. 19.

Meagher, W. P.—Japanese Art.

Morris, J. H.—The Telephone.

Myres, T. H .- Baptisteries and Fonts: Past and Present. Mar. 6.

Payne, C. W.—Hybridism. Jan. 29. Phillips, W.—Simple Method of En-Oct. 29. larging.

- Carbon Printing. Jan. 21. Plumb, R.-A Journey to Iceland.

Mar. 13. Rawcliffe, W. - What is Humour ! Jan.

Rayner, Dr.—Shakespeare's Henry III. Nov. 28.

Shuker, W. A. —Troubles of an

Amateur. Mar. 11.

Stewart, R. W., D.Sc.—The Nature of
Röntgen Radiation, with Slides
and Experiments. Feb. 19.

Turner, E. H.—Wellington Films. Jau. 7.

- Physical Measurements. Nov. 29. Tonge, J. H.-Electricity. Feb. 21. Wade, J. W .- Over the Alps to the

Italian Lake Land. Oct. 23.

Walford, C. J. T.—Methods of Control. Oct. 22.

Wood, W. N.—Flowers for Decorative

Purposes, and the Cultivation of Plants for the Home. Mar. 12.

READING LITERARY AND SCIENTIFIC SOCIETY.

(FOUNDED 1880.)

Officers. - President: A. H. Cunningham, B.A. Hon. Secretary: A. Y. White, Blagrave Street.

Meetings.—On the second and fourth Tuesdays in each month, from October to April inclusive, at 8 P.M.; once only in December and January. Anniversary Meeting takes place in April.

Membership.—No Entrance Fee; Annual Subscription, 3s.

Papers read during Session 1901-1902.

Armitage, Miss M. F., M.D.—George Eliot. Dec. 10.

Barkas, H. D.—Some of the Pleasures of Sketching. Feb. 25.

r, G. W., 1 Play. Jan. 28. B.A.—The Passion Bater, G.

De Burgh, W. G., M.A.—Thomas le. Mar. 25.

W. K.—Oliver Goldsmith. Carlyle.

Gosling, Oct. 8.

Head, G. H.-Pompeii. Nov. 12. Wright, F. H.-Education in Reading, Past and Present. Apr. 22.

Pearce, R.-Peeps in India by Lantern Light. Oct. 22.

S., ntree, W. S., Animals. Feb. 11. Rowntree, B.Sc.—Extinct

Shrubsole, O. A., F.G.S.—The Story of Another Pebble. Nov. 26.

Shrubsole, W. H., F.G.S., F.R.M.S .-Swiss Scenery and its Determining

Causes. Mar. 11.
White, T., B.A.—The Battle of Ashdown-871 A.D. Apr. 8.

ROCHDALE LITERARY AND SCIENTIFIC SOCIETY.

105 FREEHOLD STREET, ROCHDALE.

Officers.—President: W. H. Pennington, F.G.S. Secretary: J. R. Ashworth, M.Sc., 105 Freehold Street.

Meetings.—On the first and third Fridays (or Wednesdays) in each month, from October to April, at 7.45 P.M. The Annual Meeting takes place in December.

Membership.—No Entrance Fee; Annual Subscription, 6s.

Publication.—Annual Report, 1901.

Papers read during Session 1901-1902.

Baldwin, IV.—An Early Form of Crab | found at Spark Bottoms. Nov.

Carpenter, H. B.-Picture Posters. Mar. 19.

F., Davidson, E. M.A.—Marcus Aurelius. Dec. 4.

Heginbottom, J. E., B.D.-Philately. Jan. 22.

Jefferson, A., M.D.-The Colonial Spaniard in the Philippines. Feb. 19.

MacKenzie, Rev. E. C., M.A.—Sir John Falstaff. Nov. 20.

SCARBOROUGH PHILOSOPHICAL AND ARCHÆOLOGICAL SOCIETY,

THE MUSEUM. (FOUNDED 1831.)

Officers. — President: Lieut. -Col. Kendall, J. P. Hon. Secretaries: J. H. Rowntree, Westwood Villa; S. P. Turnbull, 33 St Thomas Street.

Meetings.—The Annual Meeting is on the first Saturday in February.

Membership. - No Entrance Fee; Annual Subscription, £1 and 10s., according to privileges.

[No Return.]

SHEFFIELD LITERARY AND PHILOSOPHICAL SOCIETY,

LEOPOLD STREET, SHEFFIELD.

Officers. — President: George Franklin, Hon, Secretaries: H. C. Sorby, LL.D., F.R.S., Broomfield; S. Snell, F.R.C.S.E., Upper Hanover Street.

Meetings. —On the first Tuesday in each month, October to April inclusive. The Annual Meeting is held in January.

Membership. -£2, 2s., £1, 1s., or 10s. 6d., according to Class.

Papers read during Session 1901-1902.

Holmes, Rev. T. W.-Wisdom in Cap | Pearson, Rev. A., M.A.-Milton. Apr.

and Bells. Mar. 4.

Moore-Smith, G. C., M.A.—The Morality Play, "Everyman," of the time of Edward the Fourth.

Parkes, D.—Presidents of the Literary and Philosophical Society from 1823 to 1850, with Glimpses of Sheffield Society at the period of its Formation. Oct. 8.

Smith, S., F.R. Hist. Soc. — The Famous Libraries of the World. Dec. 3.

Sorby, H. C., LL.D., F.R.S., etc.— Anecdotes and Reminiscences of Scientific Men whom I have known. Feb. 4.

THE SIDCUP LITERARY AND SCIENTIFIC SOCIETY,

SIDCUP PUBLIC HALL.

(FOUNDED 1880.)

Officers.—President: H. Ringwood-Peach. Secretary: J. Roach, Hatherley Lodge, Hatherley Road.

Meetings.—Ordinary Meetings are held on the first and third Tuesdays in each month, from October to May, at 8.15 P.M. The Anniversary Meeting is held in Winter.

Membership, -Annual Subscription: Gentlemen, 10s.; Ladies, 5s.

List of Papers read during Session 1901–1902.

Cayley, J. J.—Sophoeles' Typical | Gill, F. W.—Six Hundred Miles up Drama—Antigone. Mar. 4.

Chater, Miss Lucy.-Florence and its

Associations. Apr. 15.

Draper, W. H., M.A.—Alfred the Great. Oct. 15.

Düring, Mrs S. M.—Some Aspects of Modern Fiction. Feb. 4.

Evans, P., M.A.—The History of Oxford. Jan. 7.

Felkin, F. W., M.A.—Some Sites and Scenes in Greek Sees. Nov. 19

Scenes in Greek Seas. Nov. 19.

Francis, F. J.—Wit and Wisdom of John Leech. Apr. 1.

the Nile. Dec. 3.

Habgood, H., M.D.—Moorish Archæology in Spain. Jan. 21.

Hill, —, M.A.—Brittany and Mont St Michel. Feb. 18.

Oliver, E. J.—The Minor Poets of America. Dec. 17.

Ringwood - Peach, H. — Presidential Address: Irish Folk and Fairy Lore. Oct. 1.

- Orchids. Mar. 20.

Taylor, E. R.-Local Church Architecture. Mar. 18.

THE NORTH STAFFORDSHIRE FIELD CLUB.

STONE, STAFFORDSHIRE. (Founded 1865.)

Officers. - President: A. J. Daniel, M.A. Hon. Secretaries: Rev. T. W. Daltry, Madeley Vicarage, Newcastle, Staffordshire; W. Wells Bladen, Stone, Staffordshire.

Meetings. - Monthly, except in December. The Anniversary Meeting is in

Membership.—Number of Members, 466. Entrance Fee, 5s.; Annual Subscription, 5s.

List of Papers read during Session 1901-1902, and published in "Annual Report and Transactions," Vol. XXXVI., price 3s. 6d.

Barke, F., F.G.S.—Geological Report. Barns, Rev. T., M.A.—The Limes Britannicus.

Beckett, J. H., A.R.I.B.A.—Report of Sketching Section.

Bostock, E. D.—Entomological Report.

Brett, C.—List of Late-flowering Plants at Alton.

Cadman, J., B.Sc., F.G.S.—On the discovery of the Bassey Mine Spirorbis Limestone to the west of the anticline of the North Staffs. Coal-field.

Daltry, Rev. T. W., M.A., F.L.S., etc. - Rainfall at Madeley, Staffs. (1901).

Harrison, G. D., A.M.I.C.E.—Rainfall at the Meir and Wall Grange (1901).

Hind, W., M.D., F.R.C.S.-List of localities where Fossils occur in Pendleside Series of the country round N. Staff.

Hornby, R., M.A., F.C.S.-Report of Delegates to British Association.

Jones, Rev. S. W., M.A. - Meteorological Observations at Salt (1901). Knight, J .- Rainfall at Hartshill. Staffs. (1901).

Lynam, C., F.R. I.B.A.—Archæological Report.

Masefield, J. R. B., M.A.—Zoological Report.

Land and The Fresh-Water Mollusca of Staffs.

- Rufous Variety (Perdix montana, Brisson) of the Common Partridge in Staffs.

Philips, J. C .- Abstract of Meteorological observations taken at the Heath House, Staffs. (1901).

Purchas, Rev. W. H.-Rainfall at Alstonfield Vicarage (1901.)

Stobbs, I. P., F.G.S.—On the Occur-rence of a New Marine Bed in the Coal Measures of North Staffs.

Ward, John, F.G.S. - On a Fragment of a Tusk of a Mammoth from Fenton. Additions to Bibliography of

Literature relating to Geology, Mineralogy and Palæontology of North Staffs.

Wrottesley, Rev. F. J., M.A.—Our Own Country.

SUTTON SCIENTIFIC AND LITERARY SOCIETY,

PUBLIC HALL CHAMBERS.

Officers.—President: J. A. Formoy. Secretary: G. M. Robins, Glenshorne. Meetings. - Every fortnight throughout the Session. The Anniversary Meeting is in October.

Membership. —Entrance Fee, 5s.; Annual Subscription, 21s.

[No Return.*]

WARRINGTON, LITERARY AND PHILOSOPHICAL SOCIETY OF.

MUSEUM LECTURE ROOM.

(Founded in 1870 as the "Warrington Microscopical Society.")

Officers. - President: Rev. M. Stevenson, M.A. Hon. Secretary: G. Carruthers, Firdale, Manchester Road, Warrington.

Meetings .- Second Monday in each month, from October to March, at 7.30 P.M. The Annual Meeting is held in March.

Membership.—No Entrance Fee; Annual Subscription, 5s.

[No Return.*]

WARWICKSHIRE NATURAL HISTORY AND ARCHÆ-OLOGICAL SOCIETY.

THE MUSEUM, WARWICK. (Founded 1836.)

Officers. - President: W. B. Gibbins. Hon. Secretaries: S. S. Stauley, 3 Regent Grove, Leamington; J. Sallaway, Jury Street, Warwick.

Meetings. —The Annual Meeting is held in Easter week, and Ordinary Meetings are held quarterly, at 2.30.

Membership. — Annual Subscription, 21s.

WARWICKSHIRE NATURALISTS' AND ARCHÆ OLOGISTS' FIELD CLUB.

MUSEUM, WARWICK. (FOUNDED 1854.)

Officers. - President: W. Andrews, F.G.S. Hon. Secretary: T. W. Whitley, 20 Camberwell Terrace, Radford Road, Leamington.

Meetings,-The Annual Meeting is held in March, and five Excursions are made in the Summer months.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 5s.

[No Return.*]

WHITEHAVEN SCIENTIFIC ASSOCIATION,

SCIENTIFIC INSTITUTE, 14 HOWGILL STREET.

Officers. - President: T. G. Mathews, M.D. Hon. Secretaries: P. L. Addison. F.G.S., A.M.I.C.E.; A. T. Scott.

Meetings.—On Tuesdays at 8 P.M., from October to May inclusive. The Anniversary Meeting takes place in May.

Membership. - Annual Subscription: for Associate Members, 10s.; for Ordinary Members, 5s. 6d.

Publication.—Journal, 1s. (Free to Members.)

List of Papers read during Session 1901-1902.

Addison, P. L., F.G.S.—The Possible Emen, W.—Jean Jacques Rousseau. Cause of Glacial Periods and their Relation to the Existence of Man. Nov. 19.

Blackmore, W.-The Poetry and Philosophy of Omar Khayyam. Dec. 3. Burnett, J. R., M.D.—Chinese Civiliza-

tion. Feb. 25.

Dixon, G., M.A.—The British American
Total Solar Eclipse Expedition of 1900. Jan. 14.

Nov. 5.

Muriel, G. B .- Presidential Address. Oct. 22.

Parker, C. A., M.D.-Some Ancient Monuments of the District. Mar.

Wilkinson, G. W .- Some Aspects of the Iron and Steel Trades of West Cumberland. Feb. 11.

YORKSHIRE NATURALISTS' UNION.

LIBRARY AT THE LEEDS INSTITUTE.

(Founded 1861 as "West Riding Consolidated Naturalists' Society." Reorganised and name changed 1876.)

This is a confederation of the Natural History and Scientific Societies of Yorkshire, comprising Heckmondwike, Clayton-West, Barnsley, Wakefield, Elland, Liversedge, and Bradford Naturalists' Societies; Leeds Naturalists' Club; Goole Scientific Society; York and District Field Naturalists' Society; Leeds Conchological Club; Sheffield Naturalists' Club; Leeds Geological Association; Bradford Scientific Association: Malton Naturalists' Society: Halifax Scientific Society; Doncaster Microscopical Society; Ripon Naturalists' Club and Scientific Association; Rotherham Naturalists' Society; Cleveland Naturalists' Club (Middlesbrough); Harrogate Naturalists' and Camera Club; Ackworth School Natural History Society; Thirsk Natural History Society; Craven Naturalists' Association (Skipton); Scarborough Philosophical and Archeological Society; Ellesmere School Natural History Society (Harrogate); Hull Scientific and Naturalists' Club: Hull Geological Society: Huddersfield Naturalists' and Photographic Society; Scarborough Field Naturalists' Society; Darlington Naturalists' Society; Ravensthorpe Naturalists' Society; Leeds Co-operative Field Club; Milnsbridge Naturalists' Society; and West Vale Naturalists' Society.

- Officers. —President: Percy F. Kendall, F.G.S. Hon. Secretaries: W. Denison Roebuck, F.L.S., 259 Hyde Park Road, Leeds; Edwin Hawkenworth, 11 Nursery Mount, Hunslet, Leeds.
- Meetings. -Six Excursions during the Summer months. Annual Meeting, December 1902, at Hull.
- Membership. -No Entrance Fee; Annual Subscription, 10s. 6d., or more.
- Publications during Session 1901-1902. -The Naturalist, Nos. 534-545, and the Transactions, Part 27; Alga-Flora of Yorkshire, by W. West and G. S. West (July 1901).
 - Papers published in the "Naturalist" from July 1901 to June 1902.
- A., F.L.S. — Peucedanum palustre in Lake Lancashire. Sept. 1901.
- Corbett, H. H., M.R.C.S.-Yorkshire Naturalists at Conisborough and Doncaster. (Illustrated.) 1902.
- · Terrestrial Mollusca of Doncaster. June 1902.
- Crossland, C., F.L.S .- Fungus Foray at Cadeby, Melton, Sprotborough, and Warmsworth. Nov. 1901.
- Fungi of Masham and Swinton. Jan. 1902.
- Elgee, F.—Lepidoptera in Kensington Road, Middlesbrough, during the
- years 1898-1900. June 1902.
 George, C. F., M.R.C.S., etc.—Lincolnshire Water Mites: Third List. Jan. 1902
- T .-- Yorkshire Naturalists' Union at Masham. Jan. 1902.
- Gyngell, W .- A Naturalist's Holiday amongst the Cumberland Sandhills. May 1902.
- Hey, Rev. W. C., M.A.-A May-Day on Maw-Rigg (near Langdale End). Apr. 1902.
- Hull, Rev. J. E .- Spiders of Northumberland and Durham. Some Notes on Recent Captures. Dec. 1901.

- Ingham, W., B.A.—Harpidioid Hypna of Yerkshire and Durham. Mar. 1902.
- Keegan, P. Q., LL.D.—The Chemistry of some Common Plants. May 1992.
- Kendall, P. F., F.G.S., and J. H. Howarth, F.Z.S.—Additions to the Records of the Yorkshire Boulder Committee's Fourteenth Year's Report. July 1901.
- H. W., F.G.S.—Lincolnshire Kew, H. W., F.G.S.—Innocent Pseudoscorpions. With an Account with other Arthropods. (Illus-
- trated.) July 1901.

 On the Pairing of Limax maximus. (Illustrated.) Aug. 1901.
- Notes on the Weevil-Cocoons of the Figworts. (Illustrated.) May 1902.
- Larder, J.-Lincolnshire Freshwater Alge. Feb. 1902. Leach, R. E., M.A.—Some Westmor-
- land Plants. May 1902.
- Lebour, Miss M. V.—Marine Mollusca of Sandsend, Yorkshire. May 1902.
- Less, F. A., M.R.C.S.—Wetherby Revisited by the Yorkshire Naturalists. Nov. 1901.

Lees, F. A., M.R.C.S.—Some Flower Features of the Southern Ainsty. Feb. 1902.

Massee, G., F.L.S.—Coprophilous Fungi. Abstract of Address delivered at Cadeby, Sept. 23, 1901, at the Yorkshire Fungus Foray. Nov. 1901.

and C. Crossland, F.L.S.—New

Yorkshire Agarics. Jan. 1902.

Morley, B.—Notes on the Lepidoptera of Skelmanthorpe during 1901. Apr. 1902.

Painter, H .- Additional Rev. W. Notes to the Flora of Derbyshire. Jan. 1902.

Peacock, M.—The Birds of North-West Liudsey. June 1902. Petty, S. L.—Some Plants of Silverdale,

West Lancashire. Feb. 1902.

Porritt, G. T., F.L.S.—Contribution towards the Entomology of Ambleside. Jan. 1902.

Roebuck, W. D., F.L.S.—In Memoriam: William West, jun. Oct. 1901.

T., F.G.S. - Yorkshire Shepp**ard**, Naturalists at Brough.

trated.) Aug. 1901.
Note on the Skeleton of Sibbald's Rorqual in the Hull Museum. (Illustrated.) Aug. 1901. Bibliography: Geology and Palæ-

ontology, 1897-8. Oct. 1901.

Sheppard, T., F.G.S.—Bibliography: Geology and Palæontology, 1898. Nov. 1901.

Smith, A.—Lincolnshire Spiders. Sept. 1901.

Stow, Miss S. C.—List of Lincolnshire Hepatics. Feb. 1902. Thompson, W.— In Memoriam:

William Hodgson, A.L.S. (Illustrated.) Sept. 1901.

Waddington, J.—Yorkshire Naturalists at Wykeham, near Scarborough. Oct. 1901.

Wheldon, J. A., F.L.S.—The North of England Harpidia (after Renauld). (With woodcut and 4 plates.) Mar. 1902.

and A. Wilson, F.L.S.—Notes on the Flora of Over Wyresdale. Dec. 1901.

Whitaker, A .- Larvæ of Sphinx convolvuli in Yorkshire. Oct. 1901.

Woodruffe-Peacock, Rev. E. A., F.L.S. -Naturalists in South Lincolnshire. (Illustrated.) Sept. 1901.

· Lincolnshire Naturalists at Torksey. Apr. 1902.

Lincolnshire Naturalists at Revesby. May 1902.

The Fenland Soils. June 1902. - Lincolnshire Naturalists at Spalding. June 1902.

YORKSHIRE PHILOSOPHICAL SOCIETY.

MUSEUM, YORK. (FOUNDED 1822.)

Officers. - President : Sir C. Strickland, Bart., F.G.S. Keeper of the Museum : H. M. Platnauer, B.Sc. Hon. Secretaries: T. Anderson, M.D., 17 Stonegate; C. E. Elmhirst, Lendal, York.

Meetings.—Second Monday in each month, from October to June inclusive. The Annual Meeting takes place in February.

Membership. -No Entrance Fee; Annual Subscription, £2.

Publication during 1902.—Annual Report for 1901.

Papers read during Session 1901-1902. Those marked * have been published.

Backhouse, J.—Catalogue of British Birds in the Museum at York. Part III.*

Benson, G .- The Hospital of St Peter's, York.*

Brierley, W. H.—Excavation of St Mary's Abbey Church.*

Brode, Rev. T. A.—Nature through a Microscope.

Cuttris, W.—Cave Exploration in Yorkshire.

Fry, G. C.—Literary Frauds and Forgeries.

Hewett, W.—Variation.

Moore, Miss.—William Etty.*
Platnauer, H. M.—On a recently discovered Roman Coffin.*

Wilkinson, H. J.—Catalogue of British Plants in the Herbarium of the Museum at York.*

SCOTLAND.

ROYAL SOCIETY OF EDINBURGH.

THE MOUND, PRINCES STREET.

· (Founded 1783, and Incorporated by Royal Charter.)

- Officers. President: Rt. Hon. Lord Kelvin, G.C.V.O., LL.D., D.C.L., F.R.S. Secretary: Prof. G. Chrystal. Treasurer: P. R. D. Maclagan. A. Buchan, M.A., LL.D. Librarian: J. Hardy.
- Meetings. Statutory, held on the fourth Monday of October, Ordinary, on the first and third Mondays of each month, from December until July.
- Membership.—Number of Ordinary Fellows, over 500. Entrance Fee, £2, 2s.; Annual Subscription, £3, 3s. for first ten years, and £2, 2s. for fifteen years thereafter; Composition Fee payable by Fellows resident out of Scotland, £26, 5s.
- Papers read during Session 1901-1902, on dates given. Those marked T. and P. have since been published in the "Transactions" and "Proceedings," as indicated.
- Agassiz, Prof. A.—Account of Explorations on Coral Reefs in the Maldives and other Coral Reef Regions of the World. Mar. 31.
- Bannerman, Major W. B., I.M.S., M.D. -The Plague Research Laboratory of the Government of India, Parel, P. xxiv., pp. 113-144.

1s. 6d. Feb. 17.

Beard, J., D.Sc.—The Determination of Sex in Animal Development. July 1.

Beattie, J. C., D.Sc.—On the Leakage of Electricity from Charged Bodies at Moderate Temperatures. Part

III. May 5.

Brodie, Dr W. B.—On the Condition of the Iron in the Spleen. P.

xxiv., pp. 21-25. 6d. Jan. 20. Chapman, F.—Notes on the Appearance of some Foraminifers in the Living Condition, from the "Challenger" Collection. P. xxiii., p. 391. July 15.

Chrystal, G.—Note on the Mathematical Theory of Miller's Trisector and its Relation to other Solutions of the Problem of Trisection. P.

xxiv., pp. 9-16.
- On the Relation of Miller's Trisector to the Quartic Trisectrix, with a Description of a Seven-bar Limaconograph. P. xxiv., pp. 17-20. Together 6d. Nov. 4.

Fraser, J.-A Theoretical Representation leading to general Suggestions of Matter and Ether. P. xxiv., pp. 26-64. 1s. 6d. Jan. 6.

Halm, Dr J .- On the State of Equilibrium of Stellar Atmospheres. Nov. 18 and Dec. 2.

Harris, Dr D. F .- Functional Inertia -a Property of Protoplasm. P. xxiv., pp. 196-199. 6d. Feb. 3.

Heath, T., B.A.—Photographs of the

Corona taken during the Total Eclipse of May 28th, 1900. P. xxiii., p. 396. July 15.

Hepburn, D., M.D., and D. Waterston, M.A., M.D.—The True Shape, Relation, and Structure of the Alimentary Viscera of the Common Porpoise (Phocena communis) as displayed by the Formal Method. T. xl. No. 16. 2s. 6d. July 15. Inglis, J. K. H., M.A., B.Sc. See

Marshall, H.

Jamieson, Prof. A.-Volcanic Dust from the Recent Eruption on the 8th May 1902 at St Pierre, Mar-

tinique. June 16.

Jehu, T. J., M.B., F.R.S.—A Bathymetrical and Geological Study of the Lakes of Snowdonia and Eastern Carnarvonshire. T. xl. No. 20. 7s. 6d. Dec. 16.

Kelvin, Lord.—Exhibition of a Model of the Diatomic Equilateral Crystalline Assemblage described in his paper on "Molecular Constitution of Matter," R.S.E., July 1889. Dec. 2, 1901.

Molecular Dynamics of a Crystal— (a) Stable and Unstable Homogeneous Assemblages. (b) Deviation from Homogeneousness in Surface - Layers. (c) Tensile Strength. (d) Cleavage. P. pp. 205-224. 1s. Jan. 20. P. xxiv.,

Kelvin, Lord -A new Specifying Method for Stress and Strain in any Elastic Solids. Jan. 20. P. xxiv., pp. 97-101. 6s. Jan. 20.

Obitnary Notice of Professor Tuit.

Dec. 2. P. xxiii., p. 498. Dec.

Knott, C. G., D.Sc.—Preliminary Note on Change of Resistance of Nickel due to Magnetisation at Various

Temperatures. June 16.

Macgregor, Prof. J. G.—Note on the
Relation of the Density of Electrolytes to Ionization. Nov. 4.

Note on the Freezing-Point Depression Constant for Electrolytes. Mar. 19.

M'Laren, the Hon. Lord.—Opening Address. Nov. 4. P. xxiv., p. 2. Nov. 4.

Marshall, H., D.Sc.—Dissociation of the Compound of Iodine and Thioures. June 2.

· Suggested Modification of the Sign of Equality for Use in Chemical Notation. P. xxiv., pp. 85-87. Jan. 6. 6d.

Thallic Sulphates and Double

Sulphates. June 16.
- and J. K. H. Inglis, M.A., B.Sc. —
The Action of Silver Salts on Solution of Ammonium Persulphate. P. xxiv., pp. 88-93. 6s. Feb.

Masterman, A. T., M.A., D.Sc.—The Early Development of Cribrella T. xl. No. 19. oculata (Forbes). 5s. Mar. 3.

On the Central Plexus of Cephalodiscus dodecalophus M'I.

Metzler, Prof. W. H.—Some Identities connected with Alternants and with Elliptic Functions. P. xxiv.

Miller, J. N.-Instrument for the Mechanical Trisection of an Angle.

P. xxiv., pp. 7-8. 6s. Nov. 4. Mossman, R. C.—Note on the Meteorological Conditions accompanying "Föhn" and Up-Bank Thaws in Glen Nevis. May 19.

 Reduction of the Edinburgh Observations to Meteorological

1900. T. xl. May 19.

Muir, T., LL.D.—A Continuant resolvable into Rational Factors. P.

xxiv., pp. 105-112. 6s. Jan. 6.

Note on Selected Combinations.

P. xxiv., pp. 102-104. 6s. Jan. 6. Note on a Proposition given by Jacobs in his "De determinantibus functionalibus." P. xxiii., p. 423.

July 1. Muir, LL.D.-The Theory of Jacobians in the Historical Order of its Development up to 1841. P. xxiv., pp. 151-195. Jan. 20.

Vanishing Aggregates of Secondary Minors of a Persymmetric Deter-minant. T. xl. May 19.

The Theory of Orthogonants in the Historical Order of its Develop-

ment up to 1854. P. xxiv. May

Murray, Sir J., K.C.B., F.R.S.—On the South-West Pacific Ocean lying to the East of Australia:—(a) On the Submarine Topography of the region. (b) On the Temperature Conditions of the region. (c) On the Distribution of Deposits and Carbonate of Lime over the Sea-floor. Mar. 17.

Paton, D. N., M.D.—Observations on the Amount of Dissolved Oxygen in Water required by young P. xxiv., pp. 145-Salmonidæ. 150. Mar. 3.

Peddie, W., D.Sc. - Quaternion Binaries: an Extension of Quaternions to give an Eight-element System applicable to ordinary Space. (Abstract.)
P. xxiv., p. 70. 6s. Nov. 18.
On the Use of Quarternions in the

Theory of Screws, etc. June 2.

Roberts, A. W.—Certain Considerations regarding Algol Variation, with Special Reference to C.P.D.—41°.

4511. P. xxiv., pp. 71-84. 1s.

Robertson, R. A., M.A., B.So.—On the

Functional Inertia of Plant Protoplasm. (Abstract.) P. xxiv., pp. 200-204. 6d. Feb. 3.

Russell, J.—Magnetic Shielding in Hollow Iron Cylinders. (Abstract.)

P. xxiv., pp. 94-96. 6s. Feb. 3. Schäfer, Prof. E. A.—On the Existence within the Liver Cells of Channels which can be directly injected from the Bloodvessels. P. xxiv., pp.

65-69. 6d. Feb. 3. Scott, D. H., M. A., F. R. S. —On the Primary Structure of certain Palæozoic Stems with the Dadoxylon Type of Wood. T. xl. No. 17. 5s. Jan.

Scott, J., M.D.—The Influence on the Proteid Metabolism of the Subcutaneous Injections of Dextrose. Mar. 3.

Shipley, A. E., M.A., and E. Wilson, F.E.S.—On a Possible Stridulating Organ in the Mosquito, Anopheles maculipennis (Meig). T. xl. No. maculipennis (Meig). 18. 1s. 6d. Mar. 3.

Smith, Prof. A., Ph.D., B.Sc.— Amorphous Sulphurand its Relation to the Freezing-Point of Liquid Sulphur. P. xxiv. June 2.

- The Influence of Varying Temperature and Pressures on the Vapour Density of Calomel Vapour. May

Smyth, (the late) Prof. C. P .- Does the Spectrum-place of the Sodium Lines vary in different Azimuths? Communicated. P. xxiv. May 5.

Tait, (the late) Prof.—Quaternion Notes. June 16.

Traquair, Dr R. H., F.R.S.—Supple-

mentary Report on Fossil Fishes collected by the Geological Survey in the Silurian Rocks of the South of Scotland. July 15.

Traquair, Dr R. H., F.R.S.-On the Distribution of Fossil Fishes in the Carboniferous Rocks of the Edin-

burgh District. July 1.

Tweedie, C., M.A., B.Sc.—The General Form of the Involutive 1-1 Quadric Transformation in a Plane. July 15. T. xl. No. 13. 18.

Wilson, E., F.E.S. See Shipley, A.E. Waterston, D., M.A., M.D. See Hepburn, D.

ROYAL PHYSICAL SOCIETY OF EDINBURGH. 3 INDIA BUILDINGS.

(Instituted 1771; Incorporated by Royal Charter 1788.)

Officers. - President: B. N. Peach, F.R.S., F.G.S. Secretary: R. H. Traquair, M.D., F.R.S., Museum of Science and Art, Chambers Street. Assistant-Secretary: W. S. Bruce, F.R.S.G.S.

Meetings.—Third Wednesday of each month, from November to April inclusive, at 8 P.M. The Annual Meeting is in November.

Membership.—Entrance Fee, 10s.; Annual Subscription, 12s. 6d.

Publication. —The Proceedings.

[No Return.]

THE ROYAL SCOTTISH SOCIETY OF ARTS.

117 GEORGE STREET, EDINBURGH.

(Founded 1821; Incorporated 1841.)

Officers. - President: F. G. Ogilvie, M.A., F.R.S.E. Secretary: W. A. Carter, F.R.S.E., M. Inst.C.E., 117 George Street.

Meetings, —Second and fourth Mondays in each month, from November to April inclusive, at 8 P.M. The Annual Meeting takes place in November.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publication. - Transactions, price 2s. 6d., issued annually at beginning of the Session.

Papers read during Session 1901-1902.

T. F.R.S.E.—On Experiments on the Relative Efficiency of Non-con-ductive Compositions for Boilers and Steam Piping. Mar. 24. Bennet, J. B., F.R.S.E.—On an Im-proved Diagram Recording Ap-paratus for the Kennedy Water-

Meter. Mar. 10.

H., M. Inst. C.E., | Cadell, H. M., B.Sc., F.R.S.E. - On Increasing the Size of Scotland by Foreshore Reclamation. Feb. 10. Clark, S.—On a Patent Pneumatic

Flushing Arrangement for Water-closets. Mar. 10.

Goodchild, J. G., F.G.S., F.R.S.E .-On an Apparatus for Illustrating the Motion of the Moon. Jan. 27. Goodchild, J. G., F.G.S., F.R.S.E.— | On a simple Pocket Level. Jan. | 27.

Herdman, G. W., M.A., B.Sc.—On Accuracy in Surveying and the

Value of Tacheometry. Apr. 14.
On a Method of fitting the Diaphragm of a Level with Stadia

Webs. Apr. 14.

Macdonald, N.—Some Railway Problems, considered from the standpoint of American Practice. Apr. 28.

Macdonald, the Rt. Hon. Sir J. H. A., K.C.B., LL.D.—On some Suggestions for Autocar Accessories. Nov. 25.

M'Gregor, G.-On a New Form of Electrical Fusebox. Apr. 28.

Murray, R. M., M.A., M.B.—On a Switchboard for Adjusting the Current from the Mains, for Medical and other purposes. Mar.

- On a New Form of Induction Coil, specially designed for Medical and Physiological use. Mar. 24.

Ogilvie, F. G., M.A.—On a Museum Microscope. Nov. 25. Turner, Dawson, M.D.—On Improve-ments in Röntgen Apparatus. Dec. 9.

On an Apparatus for Measuring the Electrical Resistance of the Blood, with some Deductions therefrom. Dec 9.

On an Experiment with Ultra-Violet Light. Jan. 27.

ABERDEEN PHILOSOPHICAL SOCIETY,

(FOUNDED 1840.)

Officers. -- President: Prof. J. T. Cash. Secretary: W. K. Burnett, M.A., Migvie House.

Meetings. -At least once in each month, from October to May. The Anniversary Meeting takes place in December.

Membership, -Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d. Publication. - Transactions, Vol. III. (Not sold.)

Papers read during Session 1901-1902.

Lynette. Jan. 22.

Davidson, Prof. W. L.—Native History
and Development of Rhetoric. Feb. 3.

Friend, Miss. - Side-lights on Siege of Mafeking. Dec. 2. Latta, Prof.—What do we mean by

Selfishness? Oct. 21.

Carpenter, Rev. A. B.—Gareth and M'Gregor, C.—Wireless Telegraphy, Lynette. Jan. 22. Mar. 3.

Nicol, Prof. - Judas Maccabeus. Nov. 12,

Rait, R. S.—University Education in Scotland, Dec. 17. Trail, Prof.—Have Plants a Nervous

System? Apr. 2.

BANFFSHIRE FIELD CLUB AND SCIENTIFIC SOCIETY.

TOWN AND COUNTY CLUB, BANFF. (FOUNDED 1880.)

Officers. - President: J. A. Harvie Brown, F.R.S.E. Secretary: John Yeats. M.A., 27 Castle Street, Banff.

Meetings.—8 P.M. on Thursdays. Monthly during Winter. The Annual Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription, 5s.

Papers read from November 1901 to August 1902, and published in the "Transactions."

on Montcoffer. Nov. 13.
- Report on Contents of Recently
Discovered Cave at Findochty. Aug. 14.

Crammond, W., M.A., LL.D.—Notes | Gordon, J. T.—Stone Cists formed in Barrow on Hill of Foulzie, King Edward. Apr. 10, and Aug. 14. Grant, J., M.A., LL.B.—Agriculture in Banffshire 150 years ago.

BUCHAN FIELD CLUB.

FREE LIBRARY AND MUSEUM, PETERHEAD. (Founded 1887.)

Officers.—President: H. B. Mitchell. Secretary: J. F. Tocher, F.I.C., 5 Chapel Street, Peterhead.

Meetings.—Ordinary Meetings are held at dates fixed by the Council during Winter. Excursions in Summer. The Anniversary Meeting takes place in December.

Membership.—Entrance Fee, 5s.; Annual Subscription, 5s.

Publication.—Transactions, published annually in December, Vol. VI., 1901, 10s. Flora of Buchan, 1902, 5s.

Papers read during Session 1901-1902.

Chalmers, Rev. A.—Cairnbulg Castle.
Sept. 26.
— Old Slains Castle and its Pro-

prietors. Aug. 14.

Hoare, T. W.—Ingenuity in Plant
Life. Mar. 12.

Gray, John, B.Sc., and J. F. Tocher, F.I.C.—The Ethnology of Buchan. Part III. Jan. 24.

Gray, John, B.Sc., and J. F. Tocher, F.I.C.—The Ethnology of Buchan. Part IV. Dec. 31. Taylor, W. L., F.S.A.—Peterhead Literature during the Nineteenth Century: Bibliography. Jan. 24. Trail, Prof., M.D., F.R.S.—The Flora

of Buchan. Feb. 13. Flora of the Parishes in East

Aberdeenshire. Feb. 13.

DUMFRIESSHIRE AND GALLOWAY NATURAL HISTORY AND ANTIQUARIAN SOCIETY,

GREY FRIARS, DUMFRIES. (FOUNDED 1876.)

Officers.-President: W. J. Maxwell. Hon. Secretary: Dr J. M. Ross, Avenel.

Meetings. - Second or third Friday in each month, from October to May inclusive, at 8 P.M. Field Meetings in Summer. The Anniversary Meeting takes place in October.

Membership, -Entrance Fee, 2s. 6d. to Gentlemen; Annual Subscription, 5s.

[No Return.*]

PHILOSOPHICAL SOCIETY OF GLASGOW,

207 BATH STREET. (Founded 1802.)

Officers. - President: Prof. A. Barr, D.Sc. Hon. Secretary: Dr F. Fergus. Acting-Secretary: Prof. P. Bennett.

Meetings. - Fortnightly on Wednesdays, from November to April inclusive. The Anniversary Meeting takes place in November.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.; Life Composition, £11, 11s.

Publication.—Proceedings, annually, 10s. 6d.

Papers read during Session 1901-1902.

H. S., M.A., Photography of Sound Waves and other Disturbances in Air. Dec. 4.* Potential Difference -On the

necessary for a double Spark Gap. Apr. 23.*

Amours, F. J., B.A.—Editions and MSS, of Wyntoun's Cronykil.† Feb. 17.*

Blyth, Prof. LL.D.h, Prof. J., M.A., LL.D.—
Additional Experiments with the J., M.A.,

Electric Sonometer. † Apr. 23. * hanan, Dr R. M., F.R.S.E.-Buchanan, Dr R. M., F.R.S.E.— Plague in some of its Historical and Present Day Aspects. Feb. 19.*

Carlile, W. W., M.A.—The Relation of Economics to Numismatics. Jan. 8,*

Clark, J., M.A.—Early Alliterative Verse.† Apr. 14.* Crawford, D. H.—The Assyrians in

the Judith. † Mar. 17. *
Douglas, W. M.—The

Criminal; some Social and Economic Aspects. Jan. 29.*

Ferguson, Prof. J., M.A., LL.D.-Joannes Matthæus and his Tract. Dec. 4.*

Fraser, W., F.S.I.—Rents and Ground Rents; Facts and Figures bearing upon the "Housing Problem."

Mar. 12.* Gemmill, Dr J. F.—On the Biological Interest of Abnormalities, Feb. 19.

B.Sc.—The | Gray, Prof. A., LL.D., F.R.S.— Observations on Energy in a Magnetic Field. Mar. 5. Howard, E .- Garden Cities. Feb. 5.

Johnson, Major F .- Rhodesia; its

Present and Future. Dec. 18.

Jones, T., M.A.—On the Employment
of Women in the Printing Trade. Jan. 8.

Knight, J., M.A., B.Sc., F.C.S.—The Training of Teachers in Scotland. Nov. 20.*

Lamb, D.—Rural and Suburban Life in Scotland in the Thirties. + Feb. 17.*

Medley, Prof. D. J., M.A.-Under Currents of Mediæval Life. Jan.

Muirhead, rhead, R. F., M.A., B.Sc.— Classification of Consonantal Sounds of the English Language. Mar. 5.* Neilson, G.—History in the Romance of Golagros and Gawayne.† Dec.

16.*

Peck, J. W., M.A. — Thermal Emissivity. Mar. 5.* Raleigh, Prof. W., M.A. — Early Collections of the Lives of English Poets. Apr. 16.

uster, Prof. A., F.R.S. — The Evolution of Solar Stars. Nov. Schuster, F.R.S. — The 6.*

Smart, Prof. W., LL.D.—Housing Mar. 19.* Problems.

† Meeting of Sections of the Society.

SCOTTISH SOCIETY OF LITERATURE AND ART.

83 BATH STREET, GLASGOW. (Founded 1886.)

Officers .- President: Rt. Hon. Lord Kelvin. Secretary and Treasurer: George Middleton, M.A., LL.B.

Meetings.—As may be arranged. The Annual Meeting takes place in April.

Membership.—Annual Subscription, 7s. 6d.

Papers read during Session 1901-1902.

Corelli, Miss M.—Signs of the Times. Feb. 20.

. Freer, Miss A. G .- Second Sight in the Hebrides. Nov. 14.

Friend, Miss E .- Side-lights on the Siege of Mafeking. Dec. 11.

Grand, Madame S.—Things we Forget to Remember. Mar. 19.

Keeling, Miss E. D.—Single Position-An Address on Bachelors and Maids. Jan. 30.

Lee, Mrs K .- Folk Songs-A Song Lecture. Jan. 13.

GREENOCK PHILOSOPHICAL SOCIETY.

WATT INSTITUTE, KELLY STREET.

Officers.—President: John Duncan. Hon. Secretary: V. C. Meyer, 56 Finnart Street.

Meetings. -On Fridays, October to February, at 8.15 P.M. The Annual Meeting is held in January.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

Publication, 1901-1902. - James Watt, Inventor, by Prof. H. S. Hele-Shaw, LL.D., F.R.S.

Papers read during Session 1901-1902.

n, J. M., M.A., F.R.A.S. Voyages in Cloudland. Jan. 31. F. R. A. S. -- |

Borchgrevink, C. E., F.R.G.S.-Exploring in the Antarctic. Nov. 15.

Bower, F. O., D.Sc., F.R.S.—A Grain

of Wheat. Feb. 21.
Coleman, F.—With the Allies to Pekin. Nov. 1.

Fergus, A. F., M.D., F.R.S.E.—The Physical Basis of Vision. Nov.

Glaister, J., M.D.-Insects and their Relation to the Propagation of Disease. Feb. 14.

of Chili. Nov. 8.
28, Wm., LL.D.—Some Thoughts Jacks, Wm., on the Life and Teaching of Ralph Waldo Emerson. Oct. 25.

Middleton, Geo., M.A., LL.B.—The Message of Tom Hood. Dec. 6.

Hume, D. E., F.R.G.S.—The Republic

M.A. - Some Rawnsley, Canon, Literary Associations of the English Lake District. Feb. 28.

Reed, E. T .- Caricature in and out of Parliament. Nov. 29.

Robertson, W. L., M.A.—Camping in Palestine. Jan. 24. Hele-Shaw, H. S., LL.D., F.R.S.-James Watt, Inventor. Jan. 17.

PAISLEY PHILOSOPHICAL INSTITUTION.

3 COUNTY PLACE. (FOUNDED 1808.)

Officers, -President: Rev. A. Henderson, LL.D., F.R.A.S. Hon. Secretary: J. Gardner, 3 County Place.

Meetings. -- Fortnightly, on Tuesdays, from October to March inclusive. The Anniversary Meeting takes place in October.

Membership.—Entrance Fee, 5s.; Annual Subscription, 7s. 6d.

Publication, -Annual Report, 1901.

STIRLING NATURAL HISTORY AND ARCHÆO-LOGICAL SOCIETY.

SMITH INSTITUTE.

Secretaries: R. Kidston, F.R.S.E., Officers. - President : George Lowson. 12 Clarendon Place; D. B. Morris, 15 Gladstone Place.

Meetings. - Third Tuesday in October to April, at 8 P.M., inclusive, at the Y.M.C.A. Rooms, Stirling. The Anniversary Meeting takes place in October.

Membership. -- Annual Subscription, 5s.

Publications. - Transactions for 1900-1901, price 2s. to Members, 3s. to Non-members.

Papers read during Session 1901-1902.

Cook, W. B .- Oldest Minute Book of Incorporation of Hammermen, Nov. 26.

Kidston, R.—The Plants of the Carboniferous Period. Part I. Mar. 18. Lowson, G. - Presidential Address. Oct. 15.

Morris, D. B.—Rambles over the Old. Red Sandstone. Part II. Nov.

- Geological Note on Railway Cutting between Doune and Dunblane. Apr. 22.

Morris, D. B .- Roman Station at

Camelon. Apr. 22.
Robertson, J.—Plant Notes from Dunblane. Part II. Apr. 22.

Ronald, J .- The Crafts of Stirling.

Part I. Jan. 21.
Stirling, C.—Record of Rainfall in Stirlingshire in 1901. Apr. 22.

Sword, J.—Notes on the Avi-fauna of

the district. Apr. 22.

Wilson, Rev. W. B. R.—Stirlingshire
in Scottish Life and Thought. Feb. 18.

IRELAND.

ROYAL DUBLIN SOCIETY.

LEINSTER HOUSE, DUBLIN.

Officers. - President: Right Hon. Lord Ardilaun, D.L. Hon. Secretaries: Prof. J. Joly, F.R.S.; J. C. Cook, D.L. Registrar: Richard J. Moss, F.C.S., F.I.C. Librarian and Editor of Scientific Publications: A. H. Foord, Ph.D., F.G.S.

Meetings. - Monthly, from November to June inclusive.

Membership.—Entrance Fee, £3, 3s.; Annual Subscription, £2, 2s.

Papers read during 1900 (in part) and 1901, and published as follows; those marked * in the "Scientific Transactions"; those marked † in the "Economic Proceedings," and the rest in the "Scientific Proceedings."

Spark Spectra from the Large Rowland Spectrometer in the Royal University of Ireland. Part I. The Ultra-Violet Spark Spectra of Iron, Cobalt, Nickel, Ruthenium, Rhodium, Palladium, Osmium, Iridium, Platinum, Potassium Iron, ce-Rhodium, Pana... Platinum, Potassium Chromate, Potassium Permanga-

nate, and Gold. Mar. 20, 1901.*
Cunningham, J. A., A.R.C.Sc.I.—A Contribution to the Theory of the Order of Crystallization of Minerals in Igneous Rocks. June 20, 1900.

Ewart, J. C., M.D., F.R.S.—Variation: Germinal Environmental. \mathbf{and}

Mar. 20, 1901.*
Gill, H. V., S.J.—On the Theory of the Stratified Discharge in Geissler

Tubes. Feb. 20, 1901.

Grubb, Sir H., F.R.S.—A New Collimating-Telescope Gun-Sight for Large and Small Ordnance. Mar.

- Some New Forms of Geodetical Instruments. Dec. 18, 1901.*

Adeney, W. E., D.Sc.—Photographs of | Hartley, W. N., F.R.S.—On the Conditions of Equilibrium of Deliquescent and Hygroscopic Salts of Copper, Cobalt, and Nickel, with respect to Atmospheric Moisture. Mar. 20, 1901.*

On Haze, Dry Fog, and Hail. Nov. 20, 1901.

A Theory of the Molecular Constitution of Supersaturated Solutions. May 22, 1901.

and H. Ramage, B.A.-Banded Flame-Spectra of Metals. May 22,

Joly, J., F. R.S.—On the Pseudo-opacity of Anatasc. Feb. 20, 1901.

 Incandescent Electric Furnaces. Apr. 17, 1901.

- On an Improved Method of Identifying Crystals in Rock Sections by the Use of Birefringence. Apr. 17,

 Some Sedimentation Experiments and Theories. Dec. 18, 1901.

Letts, E. A., D.Sc., Ph.D., and R. F. Blake, F.I.C.—On some Problems

connected with Atmospheric Carbonic Anhydride, and on a New and Accurate Method for Determining its Amount Suitable for Scientific

Expeditions. Jan. 16, 1901.

Letts, E. A., D.Sc., Ph.D., and R. F.

Blake, F.I.C.—On a Simple and

Accurate Method for Estimating the Dissolved Oxygen in Fresh Water, Sea Water, Sewage Effluents, etc. Dec. 19, 1900.

Lyburn, E. St J., A.R.C.Sc.I.—Pro-

specting for Gold in County Wicklow, and an Examination of Irish Rocks for Gold and Silver. Dec.

19, 1900.

Moss, R. J., F.I.C., F.C.S.—On the Adhesive and other Physical Properties of certain Copper Prepara-tions used for Spraying Potato Plants. May 16, 1900.+ Pollok, J. H., B.Sc.—A New Thermo-Chemical Notation. Mar. 20, 1901.

Ryan, H., M.A., D.Sc.—On the Pre-paration of Amidoketones. Jan. 16, 1901.

On the Synthesis of Glucosides.

Apr. 17, 1901. and W. S. Mills, M.A.—On the Synthesis of Galactosides. Apr. 17, 1901.

Trouton, F. T., D.Sc., F.R.S.-The Results of an Electrical Experiment. involving the Relative Motion of the Earth and Ether, suggested by the late Professor Fitz Gerald. Nov. 20, 1901.

.Wigham, J. R., M.R.I.A.—The Application of the Kitson Light to Light-Houses and other places where an Extremely Powerful Light is required. Nov. 21, 1900.

ROYAL IRISH ACADEMY.

19 DAWSON STREET, DUBLIN. (FOUNDED BY ROYAL CHARTER 1786.)

Officers.—President: Prof. Robert Atkinson, LL.D., Litt.D. Treasurer: Rev. M. H. Close, M.A. Secretary: Prof. Charles J. Joly, Sc. D. Secretary of Council: Prof. Louis C. Purser, Litt.D. Librarian: Prof. G. A. J. Cole, F.G.S. Secretary for Foreign Correspondence: J. P. O'Reilly, C.E. Resident Secretary: R. Macalister, M.A., LL.B.

Meetings.—Stated General Meetings, 16th March and 30th November at 4 o'clock P.M. Ordinary Meetings on the second Monday of November and December, and the second and fourth Mondays of January, February, April, May, and June at 4 o'clock P.M.

Membership.—Entrance Fee, Five Guineas; Annual Subscription, Two Guineas; Life Composition, Twenty Guineas. Not more than twelve Members can be elected in one year.

There were published the following: "Further Developments of the Geometrical Theory of Six Screws." By Sir Robert S. Ball, LL.D., F.R.S. (Transactions, Vol. XXXI. Part 12, price 2s.); "Notes on the High Crosses of Moone, Drumcliff, Termonfechin, and Killamery," by the late Margaret Stokes, Hon. M.R.I.A. Edited by T. J. Westropp, M.A. (Transactions, Vol. XXXI. Part 13, price 10s. 6d.); "The Aucient Forts of Ireland," being a Contribution towards our Knowledge of their Types, Affinities, and Structural Features, by Thomas Johnson Westropp, M.A. (Transactions, Vol. XXXI. Part 14, price 7s. 6d.); "Irish Topographical Botany," pp. clxxxviii. + 410 with Coloured Map showing Geographical Distribution, being Proceedings, 3rd Series, Vol. VII., by Robert Lloyd Praeger, B.E., price, cloth, 10s. 6d. net.

Papers read, November 1901 to June 1902.

Berry, H. F., M.A.—Notes on an unpublished MS. Inquisition (A.D. 1258), relating to the Dublin City

Watercourse, among the Muniments of the Earl of Meath. Feb. 24, 1902.

Coffey, G., A.I.B.—On a Series of | partially worked Pebbles from the 'Quarry-shop' sites of North America, illustrating the Manufacture of Stone Implements. Jan. 13, 1902.

Close, Rev. M. H., M.A.-A Seal with a Legend in the Old-Hebrew Script, found near Dundrum, Co. Dublin. June 9, 1902.

Cole, Prof. G. A. J., F.G.S.—Composite Gneisses in Boylogh, West

Donegal. May 26, 1902.

Falkiner, C. L., M.A.—Note on an unpublished Diary, relative to the French Invasion in Mayo, 1798, presented by him to the Academy. Nov. 30, 1901.

The Irish Guards (1662-1795).

Nov. 30, 1901. Two MS. Volumes, - Two recently acquired by the Academy, relating to the Commercial Development of the City of Dublin in the Eighteenth Century. June 9, 1902.

The Ouzel Galley Society, 1705-1889, in connection with a Gold Medal recently acquired by the

Academy. June 23, 1902.

Gwynn, E. J., M.A., F.T.C.D.—Todd

Memorial Lectures. — Subjects: Dindsenchas of Sliab Bladma, Duiblind and Liamain. Jan. 13, 1902.

Poems from the Dindsenchas on Bairend, Chermair, Dun Gabail, and Belach Durgein. Jan. 17, 1902.

Poems from the Dindsenchas on Dun Crimthaind, and other places. Feb. 10, 1902.

Poems from the Dindsenchas on Loch Garman, and other places. Feb. 24, 1902.

Holmes, M., M.B.—The Comparative Anatomy of the Nervus Acusticus. June 23, 1902.

Jolly, Prof. C. J., Sc.D.—The Interpretation of a Quaternion as a Point Symbol. T. xxxii., Section A, Part 1. 1s. Nov. 11, 1901.

Quaternion Arrays. T. xxxvi.,

Sec. A. Part 4. 1s. 6d. Nov. 11, 1901.

 A new Quaternion Proof of Stokes's, Green's and Allied Theorems. Apr. 28, 1902.

- Representation of Screws by | Weighted Points and by Pairs of Weighted Points. T. xxxii. Sec. A, Part 4. 1s. 6d. Dec. 9.

Joly, Prof. J., F.R.S.—Solvent Denudation in Fresh and Salt Water. Feb. 24, 1902.

Lane-Poole, Prof. S., Litt.D.—An early Arabic Inscription from Rhodesia. May 12, 1902.

Lawlor, Rev. H. J., D.D.—The Manuscripts of the Vita S. Columbani of Jonas. June 9, 1902.

MacCarthy, Rev. B., D.D.—Notes on the Irish Paschal System. June 23, 1902.

Murray, Miss M. A.—The Egyptian Scarabs in the Dublin Museum.

Apr. 14, 1902.

Nichols, A. R., B.A.—A List of the Echinoderms of Ireland (being a Report from the Royal Irish

Academy Fauna and Flora Committee). June 23, 1902.
O'Reilly, Prof. J. P., C.E.—The Waste of the Coast of Ireland. Dec. 9,

The Origin of Certain Irish Water

Mills. Apr. 14, 1902.

Praeger, R. L., B.E.—On Types of Distribution in the Irish Flora. Gleanings in Irish Topographical Botany. P. viii., Part 1, 4th Botany. P. viii., Part 1, 4111 Series. 1s. 6d. Mar. 15, 1902. ser, F., M.A., F.T.C.D.—The

Application of Bessel's Functions in the Theory of Electricity. T. xxxii. Sec. A. Part 3. 1s. 6d. Nov. 11 1901.

usay, Prof. W., F.R.S., Hon. M.R.I.A.—The Surface Energy of Mixtures of certain Liquids. Ramsay, Feb. 2, 1902.

Roberts, Rev. W. R. W., B.D., F.T.C.D. —Some Properties of a certain Quintic Curve. Jan. 27, 1902. t, W., F.L.S., and Prof. G. S.

West, W., F.L.S., and West, B.A., F.L.S.—Contributions North of Ireland (being a Report from the Royal Irish Academy Fauna and Flora Committee).

Feb. 24, 1902.

Westropp, T. J., M.A.—Dolmens and
Pillar Stones in the Baronies of Bunratty, Co. Clare. Apr. 14, 1902.

The Dolmens of Eastern Clare (Tulla Baronies). June 23, 1902.

DUBLIN UNIVERSITY PHILOSOPHICAL SOCIETY,

6 TRINITY COLLEGE, DUBLIN.

Officers. — President: J. C. M. Eason, Sen. Mod., B.A. Secretary:
G. S. Joynt, 6 Trinity College.

Meetings.—Every Thursday at 8 P.M., November to June. The Anniversary Meeting is held in second week in November.

Membership.—No Entrance Fee; Annual Subscription, 15s.

Publication, 1901.—Proceedings, 1901-1902.

BELFAST NATURAL HISTORY AND PHILO-SOPHICAL SOCIETY,

MUSEUM, COLLEGE SQUARE, NORTH. (FOUNDED 1821.)

Officers. — President: John Brown, F.R.S. Hon. Secretary: R. M. Young, J.P., M.R.I.A., 2 Wellington Place,

Meetings.—First Tuesday of each Winter month, at 8 P.M. The Anniversary Meeting is usually in June.

Membership.—No Entrance Fee; Annual Subscription, One Guinea.

Publication.—Report and Proceedings, 1900-1901, 2s.

Papers read during Session 1901-1902.

Barcroft, J.—Respiration, Jan. 6.
Forth, F. C.—The Municipal Technical
Institute, its Aims and Objects.
Dec. 10.

Macassey, J. L., C.E.—The Mourne Scheme for the Supply of Water to the City of Belfast. April 8. Marshall, J. J.—The Northern Blackwater, its Scenery, Antiquities and Battlefields. Feb. 4.

Battlefields. Feb. 4.

Milligan, S. F., M.R.I.A.—The Industrial Revival of Ireland. Mar.
4.

SECTION II.

MATHEMATICAL AND PHYSICAL.

LONDON.

ROYAL ASTRONOMICAL SOCIETY.

BURLINGTON HOUSE, W.

(Founded 1820; Incorporated by Royal Charter 1831.)

- Officers.—President: J. W. L. Glaisher, M.A., D.Sc., F.R.S. Secretaries: F. W. Dyson, M.A., 6 Vanbrugh Hill, Blackheath, S.E.; E. Whittaker, M.A., Trinity College, Cambridge. Assistant Secretary: W. H. Wesley, Royal Astronomical Society, Burlington House.
- Meetings.—On the second Friday in each month from November to June inclusive, at 5 P.M. The Anniversary Meeting took place February 13, 1902.
- Membership.—Number of Members, June 1902, 694. Entrance Fee, 42s.; Subscription, 42s.
- Publication during 1901-2.—Monthly Notices, Vol. LXI. (1901), 12s. 6d., and Vol. LXII., Nos. 1 to 7, 1s. each.
- Papers read from June 1901 to June 1902, and published for the most part in the "Monthly Notices."
- Anthony, C.—A New Form of Reflecting Telescope. Nov. 8, 1901.
- Astronomer-Royal (communicated by).
 —Mean Areas and Heliographic
 Latitudes of Sun-spots in the year
 1900, deduced from Photographs
 taken at Greenwich, at Dehra Dûn
 (India), and in Mauritius. Nov. 8,
 1901.
- Observation of the Leonid Meteors of 1901 at the Royal Observatory, Greenwich. Jan. 10, 1902.
- Greenwich. Jan. 10, 1902.

 Observations of Occultations of Stars by the Moon and of Phenomena of Jupiter's satellites made at the Royal Observatory, Greenwich, in the year 1901. Jan. 10, 1902.
- in the year 1901. Jan. 10, 1902.

 Observations of the Satellite of Neptune from Photographs taken at the Royal Observatory, Greenwich, in 1899-1900. Jan. 10, 1902.
- Mean Areas and Heliographic Latitudes of Sun-spots in the year 1901, deduced from Photographs

- taken at the Royal Observatory, Greenwich, at Dehra Dûn (India), and in Mauritius, March 14,
- Astronomer-Royal (communicated by).

 —New Variable Stars found during the Measurements for the Astrographic Catalogue at the Royal Observatory, Greenwich. Mar. 14, 1902.
- The Parallax and Proper Motion of Nova Persei. Mar. 14, 1902.
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- Backhouse, T. W.— Observations of Nova Persei. June 13, 1902.
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- Barnard, E. E.—Recent Observations of the position of Nova Aurigae with the 40-inch Telescope of the Yerkes Observatory. Nov. 8, 1901.

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Denning, W. F.—Note on a Large Fire-ball, 1901 Dec. 4. Dec. 13, 1901. — The observed Motion and Duration

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· On the Distribution of the Stars of the Cape Photographic Durchmusterung. June 13, 1902.

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- The Leonids, 1901. Observations made at the Radcliffe Observatory.

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Roberts, A. W.—On the Variation of T Centaun i. Nov. 8, 1901.

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Robinson, W. H.—Comparison Photographic and Visual Magnitudes of the New Star in Perseus.

Innes, R. T. A.—The Magnitude of Aryas, 1900-1902. Mar. 14, 1902.
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Saunder, S. A .- The Determination of Selenographic Positions, and the Measurement of Lunar Photographs. Second Paper: Determination of a First Group of Standard Points by Measures made at the Telescope and on Photographs. Nov. 8, 1901.

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Turner, H. H.—Determination of Dr Küstner's Magnitude Equation from comparison of his Meridian Observations in Zones +24° to +27°, with measures of Photographic Plates taken at the University Observatory, Oxford. Nov. 8, 1901.
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Williams, A. S .- Period and Light-Curve of 6685 Y Lyra, Jan. 10, 1902.

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BRITISH ASTRONOMICAL ASSOCIATION.

85 GRACECHURCH STREET, E.C.

- Officers. President: G. M. Seabroke, F.R.A.S. Secretaries: J. G. Petrie, F.R.A.S., 359 Holloway Road, N.; A. C. D. Crommelin, 55 Ulundi Road, Blackheath, S.E.
- Meetings. -On the last Wednesday in each month at 5 P.M., from November to June inclusive, at Sion College, Victoria Embankment, E.C. The Annual General Meeting takes place on the last Wednesday in October.
- Membership. Entrance Fee, 5s.; Annual Subscription, 10s. 6d.; Life Subscription, £6, 6s.
- Publications from June 1901 to June 1902.—Journal, 10 Numbers, 1s. 6d. each; Memoirs, on the Moon (18th January), Meteors (27th April), and Variable Stars (10th June), 1s. 6d. each.
- Papers read during above period, and published in the Journal of the Association per the dates given.
- The Fire Ball of Jan. 7, 1902. Mar. 22.
- Bird, Rev. J. T .- Astronomy with the South African Field Force. Nov.
- Bompas, G. C.—The Zodiacal Light, the Meteor System and the Solar Corona. May 20.
- H.—The Visibility of Bridger, J. Meteors from Radiants near the Horizon. Apr. 26.
- Bridges, Rev. G. J.—The Recent Solar Phenomenon. Apr. 26
- Brooks, W. H.—Comet Brooks. Mar. 27, 1902.
- Burns, G. J.—Star Gauging by Photography. Dec. 13.
- Apparent Thinning-out of Stars. Jan. 21.
- The Distribution of Stars. Feb.
- The Light of the Sky. Mar. 22. Distribution of Double Stars in Space. Apr. 26.
- The Origin of Lunar Formations. June 21.
- Carpenter, Capt. A., R.N.—Correctness of Position at Manzanares, Spain. Nov. 20.
- Chambers, G. F.—The Total Eclipse of the Sun 1905. Feb. 21.
- Claridge, Rev. J. T. W .- The Zodiacal Light. Mar. 22.
- Corder, H .- The Sun Pillar of March 6,
- 1902. Apr. 26.
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- The Meteoric Shower of Halley's Comet. Feb. 21.

- Besley, W. E.—The Fire Ball of Eddie, Major L. A.—Varying Colour Dec. 4, 1901. Jan. 21. during the Progress of a Lunar Eclipse. June 21.
 - Ellis, H.-Apparent Thinning-out of
 - Stars. Mar. 27.
 Gale, W. F.—The Fire Ball of Dec.
 25, 1900. Nov. 20.
 - Notes on the Planet Jupiter. June 11.
 - Goodacre, W.—Eclipse of the Moon. Apr. 22, 1902. May 26. - J. N. Krieger. May 26.
 - Gore, J. E .- Apparent Thinning-out of the Stars. Jan. 21.
 - Grigg, J.—Photography with a Small Telescope. Jan. 21.
 - Grover, C.—Report of the Rousden Observatory. Feb. 21. Lynn, W. T.—The Proper Motion of the
 - Star Groombridge 1830. Dec. 13. On the Causes of Variability in
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 - Mellor, T. K .- The Pleiades. Nov. 20. Molesworth, Capt. B. P.—Annular Eclipse of the Sun Nov. 11,
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 Noble, Capt. W.—The Signs of Zodiac.
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 Parr, W. A.—Annular Eclipse of the
 - Sun Nov. 11, 1901. Jan. 21.

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 Smith, A.—Notes on Certain Photo-
 - graphic Effects exhibited by Nova Persei. Nov. 20.

 - —Nova Persei. Jan. 21. Stevens, Miss C. O.—The Great Sun Shaft of March 6, 1902. Apr. 26.

Epoch. Dec. 13.

Todd, D. P.—The Singkep Mechanical Commutator. Feb. 21.

Stuart, S.—A Supposed Astronomical | Whitmell, C. T., M.A., B.Sc.,—Venus Epoch. Dec. 13. | at Maximum Brilliancy. May 27. Wright, H .- Some Southern Nebulæ. Feb. 21.

THE LONDON MATHEMATICAL SOCIETY.

22 ALBEMARLE STREET. W.

(FOUNDED 1865; INCORPORATED 1894.)

- Officers.—President: Dr E. W. Hobson, F.R.S. Treasurer: J. Larmor, F.R.S. Hon. Secretaries: Robert Tucker, M.A., Middleton, Rowland's Road, Worthing; Prof. A. E. H. Love, F.R.S., 34 St Margaret's Road, Oxford.
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- Membership.—Entrance Fee, One Guinea; Annual Subscription, One Guinea; Life Composition, Ten Guineas.
- Papers read during Session 1901-1902. The mark * indicates that the paper has been published in the "Proceedings" (Vol. XXXII.). Complete Volumes can be purchased by the public from Mr F. Hodgson, 89 Farringdon Street, E.C. Separate Parts, containing 1 to 4 sheets or more, can also be purchased at 1s. 6d. per sheet, provided the number in stock exceeds one hundred.
- Baker, H. F .- Elementary Proof of a Theorem for Functions of several Variables. Feb. 13.*
- Further Applications of Matrix Notation to Integration Problems. Apr. 10.*
- Brill, J.—Note on the Algebraic Properties of Pfaffians. Nov. 14.*

 Bromwich, T. J. I'A.—The Wavesurface of a Dynamical Medium
- Ælotropic in all respects. Feb. 13.*
- The Convergence of Series that represent a Potential. Apr. 10. Buchanan, J.—The Errors in certain
- Quadrature Formulæ. Mar. 13.* Burnside, W.—The Representation of a Group of Finite Order as a Permutation Group, and the Composition of Permutation Groups.
- Nov. 14.*
 On Groups in which every two Conjugate Operations are Permut-
- able. May 8.* - On the Integrals of the differential
- equation $\frac{du}{\sqrt{f(u)}} + \frac{dv}{\sqrt{f(v)}} = 0$, where $f(x) = ax^4 + 4bx^3 + 6cx^2 + 4dx + e$, considered geometrically. Jan. 9.* Carslaw, H. S.—The application of Contour Integration to the Solution

of General Problems in the Conduc-

- tion of Heat, and to the expansion of an Arbitrary Function in Series. May 8.
- Conway, A. W.-The Principle of Huygens in a Uniaxal Crystal.
- June 12.
 Cullen, J Solution of a System of
- Linear Congruences. Mar. 13.*
 Cunningham, A. J. C..—Repetition of the Sum-factor Operation. June 12.*
- Dickson, L. E.—Linear Groups in an Infinite Field. Nov. 14.
- On Groups defined for an Infinite Field by the Multiplication Tables
- of certain Finite Groups. Apr. 10. Dixon, A. C.—On Burmann's Theorem.* Nov. 14.
- On Plane Cubics. Feb. 13.* Dixon, A. L -Addition Theorems for
- Hyperelliptic Integrals. Nov. 14.* Grace, J. H.—Linear Null-systems of Binary Forms. Nov. 14.*
- Types of Perpetuants. June 12. Hardy, G. H.—An Outline of a Theory of Divergent Integrals. Nov. 14.
- On the Theory of Gauchy's Principal Values. Part III. Mar. 13. - Some Arithmetical Theorems.
- Hargreaves, R.—Algebraic Relations between Zonal Harmonies of different Orders. Mar. 13.

Hill, M. J. M. -On a Geometrical Proposition connected with the Continuation of Power Series. June 12.

Hobson, E. W.-Non-uniform Convergence and the Integration of Series. Ĵan. 9.*

Note on Divergent Series. Apr. 10. Hudson, R. W. H. T.—The Puiseux Diagram and Differential Equations. Nov. 14.*

Lamb. H.—Boussinesq's Problem. Feb. 13.*

Love, A. E. H.—Stress and Strain in Two-dimensional Elastic Systems.

Macaulay, F. S.—Some Formulæ of Elimination. May 8.*

MacColl, H.—The Limits of Logical

Statements. Nov. 13.

Michell, J. H.—The Inversion of Plane Stress. Nov. 14.*

-Theory of Hele-Shaw's Experiments in Fluid Motion. Nov. 14.

The Flexure of a Circular Plate. Dec. 12.*

Miller, G. A .- Determination of all Groups of Order 168.

Picard, E .- Sur un theorème fondamental dans la théorie des equations differentielles. June 12.

Prasad, G.—The Use of Fourier's series in the Theory of Conduction of Heat.

Roberts, S.—On Networks.* Jan. 9. Stuart, T.—Clebsch's Transformation of the Equations of Hydrodynamics.

Nov. 14. Whittaker, E. T.—The Solution of Dynamical Problems in terms of Trigonometrical Series. Nov. 14.

Young, A. - Quantitative Substitutional Analysis. (Second Paper.) Feb. 13.

W. H .- The Fundamental Young, Theorem of Differential Equations. * Jan. 9.

The Density of Linear Sets of Points. Feb. 13. Points.

Closed Sets of Points defined as Limits of Sequences of Sets of Points. Feb. 13.

METEOROLOGICAL OFFICE.

63 VICTORIA STREET, S.W.

Meteorological Council Directors.—Lieut.-Gen. Sir Richard Strachey, R.E., G.C.S.I., F.R.S., Chairman; A. Buchan, M.A., LL.D., F.R.S.; George Darwin, M.A., D.C.L., F.R.S.; W. N. Shaw, Sc.D., F.R.S. (Secretary); Rear-Admiral Sir W. J. L. Wharton, K.C.B., F.R.S., Hydrographer to the Admiralty.

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History.—The Office was established in 1854 by the President of the Board of Trade, in connection with the Marine Department of that Office, and Capt. (afterwards Vice-Admiral) Fitz-Roy was appointed Chief. He worked vigorously at Ocean Meteorology until 1860; then he turned his attention to Weather Telegraphy and to establishing the system of Storm-Warning Signals. Admiral Fitz-Roy died in 1865. In 1867 the Government placed the management of the Office under a Committee of the Royal Society, with a grant of £10,000 a year and free printing. This Committee continued Admiral Fitz-Roy's work and added a new branch— Land Meteorology. Gen. Sir E. Sabine was the Chairman of the Committee, and Mr R. H. Scott was appointed Director of the Office. In 1877 the Office was reconstituted, and placed under the management of the Meteorological Council, who are nominated by the Royal Society and appointed by the Government. It has an annual Parliamentary Grant of £15,300.

Operations. —These are comprised under three divisions, viz., —1, Ocean Meteorology; 2, Weather Telegraphy and Storm Signals; and 3, Land Meteorology of the British Islands. 5

- 1. A complete set of verified Meteorological Instruments is supplied to all Mercantile Marine Officers undertaking to return the Instruments along with the Log of observations taken. Copies of all observations thus supplied are kept in the Office. Officers of the Royal Navy are also supplied with Meteorological Instruments by the Office, but their observations are deposited at the Admiralty, while copies of many of them are forwarded to the Office. By these means the Council are in early possession of valuable observations which cover to some extent the navigable seas of the globe.
- 2. The Office receives Telegraphic Communications every morning, afternoon (except Sundays), and evening, from a number of Stations on the West Coast of Europe, between latitudes 67° N., on the Coast of the Baltic, and 43° N., in the Mediterranean. Telegrams are also received twice daily from the Azores. At British Stations the morning observations are taken at 8 a.m. The telegrams from about 60 Stations reach the Office between 9 and 10 a.m. in most cases, a chart is drawn up from the observations, and forecasts issued by 11 a.m. Forecasts are also issued at 8.30 p.m. to appear in the morning papers next day. Storm-warnings are sent out whenever the weather appears to be threatening. Daily weather charts are largely distributed.
- 3. Observations are made at Land Stations, which are grouped as those of the First, Second, or Third Order. Those of the First Order are few in number; they are provided with self-recording instruments, and make continuous observations. Several other Coast Stations are also supplied with continuously registering anemometers. At the Second Order Stations observations are made daily at 9 A.M. and 9 P.M. At the Third Order Stations the observations are either not so complete, or are taken at abnormal hours. In every case careful precautions are taken to secure accuracy in observations, in corrections, and in calculations.

Communications.—They comprise chiefly Annual Reports, issued as Parliamentary publications; Weekly Weather Reports, with Monthly Supplements and Appendices, and Daily Weather Reports; Hourly Means of Readings, obtained from self-recording instruments; and Observations at Stations of the Second Order; Reports of International Meteorological Meetings; Popular Guides to Weather; and a number of special publications (charts, etc.) on Ocean Meteorology. These are sold by the agents for the sale of the publications of H.M. Stationery Office given below.

Forecasts and Charts. —These are posted daily at the doors of the Meteorological Office, for inspection by the public. A copy of the 11 A.M. and 8 P.M. forecasts is supplied to Subscribers daily for 10s. per annum, exclusive of the cost of postage. The Daily Report is supplied for a subscription of £1 per annum post free, if supplied by book post, or £2 per annum, if delivered by hand to places near the Office. Single copies (price 1d.) may be obtained after 3 P.M. on the day of issue at the Meteorological Office and at Messrs W. H. Smith & Sons' Bookstalls at the following Railway Stations:—Victoria, Charing Cross, King's Cross, St Pancras, Euston. The latest available information as to the weather in any district is supplied to any personal applicant during office hours (11 A.M. to 8 P.M. on week-days; 6.30 P.M. to 8 P.M. on Sundays), on payment of 6d. for each inquiry. For similar inquiries by letter the charge is 7d., and by telegraph by payment to any Post Office of a fee of 6d. in addition to the cost of a telegram and reply. The telegram containing the inquiry must be addressed: "Weather, London." The payment for the reply should be for 10 words, exclusive of the address.

The Council have made arrangements for a special service of afternoon reports during the season of the Hay and Corn Harvests (1st June to 30th September), whereby they are enabled to issue a special series of forecasts daily (Sundays excepted) at 3.30 P.M. The forecasts for any district are supplied by telegraph to

agriculturalists and others upon prepayment of the cost of the telegrams (6d. each, including an address of three words) for the period during which the forecasts are required. Forms of application for these forecasts can be obtained at the Office.

Library.—It contains a valuable collection of meteorological books (about 15,500), charts, and MS. records, and is accessible to scientific men for reference at the Office.

Publications.—The latest issued are:—Daily Weather Report for 1901 (for subscription, see Forecasts). Weekly Weather Report for 1901, with Monthly Summaries, price 6d. each.

Appendices, post-paid, 30s. Meteorological Observations at Stations of the Second Order for the Year 1898, price 22s. 6d. Hourly Means of the Readings obtained from the Self-Recording Instruments at the four Observatories under the Meteorological Council, 1898, price 37s. 6d. Report of the International Meteorological Committee, St Petersburg, 1899, price 2s. Annual Report for 1900–1901, price 1s. 1½d. Pilot Charts of the North Atlantic and Mediterranean, April—December 1901, price 6d. each. A Barometer Manual for the Use of Seamen, with an Appendix on the Thermometer, Hygrometer, and Hydrometer. Fourth edition, extensively revised, price 3d.

Charts of North Atlantic Weather for the Winter of 1898-99, price 6s. 6d. Diurnal range of Rain at the seven Observatories in connection with the Meteorological Office, 1871-90, price 2s. 6d.

Rainfall Tables of the British Islands, 1866-90, price 6s.

Temperature Tables for the British Islands, 1871-1900, 10s. 6d.

The Annual Reports may be obtained at the appointed Sale Offices for Parliamentary Papers, or directly through any Bookseller. The Pilot Charts are sold by J. D. Potter, 145 Minories, E. All other publications, except Daily Weather Reports, which may be obtained direct from the Meteorological Office, are sold at Eyre & Spottiswoode, East Harding Street, Fleet Street, E.C.; Oliver & Boyd, Edinburgh; Edward Ponsonby, 116 Grafton Street, Dublin.

ROYAL METEOROLOGICAL SOCIETY,

PRINCE'S MANSIONS, 70 VICTORIA STREET, WESTMINSTER, S.W.

- (Founded 1850; Incorporated by Royal Charter in 1866; Accorded Permission to adopt the prefix "Royal" in 1883.)
- Officers.—President: W. H. Dines, B.A. Secretaries: Francis Campbell Bayard, LL.M.; Hugh Robert Mill, D.Sc., F.R.S.E. Assistant-Secretary: William Marriott, 70 Victoria Street, Westminster, S.W.
- Meetings.—On the third Wednesday in each month, from November to June inclusive. The Meetings from November to April are held at the Institution of Civil Engineers, Great George Street, S. W., at 7.30 p.m. The Meetings in May and June are held at 70 Victoria Street at 4.30 p.m. The Anniversary Meeting took place on January 15, 1902. An Exhibition of Instruments is held from time to time.
- Membership.—Entrance Fee, £1; Annual Subscription, £2; Life Composition, £21.
- Publications.—1. The Quarterly Journal, containing the Papers read at the Meetings of the Society, and notices of current meteorological publications and investigations, 5s. per No. 2. The Meteorological Record. This publica-

tion (which appears quarterly) contains the monthly results of the observations made at the Stations of the Royal Meteorological Society in England, Wales, and Ireland, price 1s. 6d. 3. Hints to Meteorological Observers, by W. Marriott, 5th ed., 1s. 6d.

Papers read during Session 1901-1902, and published in "Quarterly Journal" of the Society. Separate copies of these Papers are kept on sale, price 6d. per half-sheet or portion thereof.

C., F.R. Met. Soc. -English Climatology, 1891-1900. June 18.

Brodie, F. J., F. R. Met. Soc. -The Prevalence of Gales on the Coasts of the British Islands during the Thirty years 1871-1900. Mar. 19. Dallas, W. L.—Earth Temperatures

recorded in Upper India. June 18. Dines, W. H.—The Element of Chance applied to various Meteorological

Problems. Jan. 15.

- and Capt. D. Wilson Barker, F.R.S.E., F.R.G.S.—Report on the WindForce Experiments on H.M.S.
"Worcester" and at Stoneness
Lighthouse. May 21.

Edwin, Capt. R. A., R.N., F.R.Met.
Soc.—On the Mechanical Principle

of Atmospheric Circulation. Dec.

Hoseason, W. S .- Remarkable Phosphorescent Phénomenon observed in the Persian Gulf. April 4th and 9th, 1901. Dec. 18.

Mawley, E., F.R.H.S.-Report on the Phenological Observations for 1901. Feb. 19.

Mill, H. R., D.Sc.—The Cornish Dust-Fall of January 1902. May 21.

Milne, Prof. J., F.R.S.—Meteorological Phenomena in Relation to Changes in the Vertical. Nov. 20.

Rotch, A. L., M.A., F.R.Met.Soc.-The Exploration of the Atmosphere

at Sea by Means of Kites. Nov. 20.
Russell, Hon. F. A. R., F.R.Met.
Soc.—Further Observations and Conclusions in Relation to Atmos-

pheric Transparency. Dec. 18, Shaw, W. N., M.A., F.R.S.—"La Lune Mange les Nuages"—A Note on the Thermal Relations of Floating Clouds. Mar. 19.

Wilson-Barker, Capt. D., F.R.S.E., F.R.G.S.—Clouds. Apr. 16.

ROYAL OBSERVATORY, GREENWICH.

Officers. - Astronomer-Royal: William Henry Mahoney Christie, C.B., M.A., F.R.S., F.R.A.S. Chief Assistants: F. W. Dyson, M.A., F.R.S., F.R.A.S.; P. H. Cowell, M.A., F.R.A.S. First-Class Assistants: Edw. W. Maunder. F.R.A.S.; Wm. Grasett Thackeray, F.R.A.S.; T. Lewis, F.R.A.S.; Wm. C. Nash, F.R. Met.S.; and H. P. Hollis, B.A., F.R.A.S. Second Class: A. C. D. Crommelin, B.A., F.R.A.S.; and W. W. Bryant, B.A., F.R.A.S. Established Computers: C. Davidson; D. J. R. Edney; R. F. Rendell, B.A., F.R.A.S.; W. Bowyer; H. H. Furner; W. M. Witchell, B.Sc.; and J. Storey. Secretary, Librarian, etc.: Henry Outhwaite.

Objects. - The Observatory was established in 1676, primarily to make observations of the Moon for improving Lunar Tables, and thereby facilitating the determination of longitude at sea. The work has since developed in many directions.

Work done, May 1901 to May 1902 .- The new card catalogue for the Astronomical Library in the west wing has been completed for all the bound volumes, including volumes of separate pamphlets, each pamphlet in the latter case being separately indexed. The index cards have been made in duplicate, one set being arranged in the order of the books on the shelves, forming a subject catalogue, and the other in alphebetical order of the authors' names. The cataloguing of the unbound pamphlets will be commenced immediately. It remains to compare the old catalogue for the Astronomical Library, which is divided into twenty different sections, each arranged in alphebetical order of authors' names, with the new Shelf Catalogue, and this will be rather a troublesome matter on account of the large number of pamphlets bound and unbound. For the North Library, containing series of transactions and periodicals, the preparation of a new card catalogue, and comparison with the old catalogue, will be a much simpler matter. In the East Library, devoted to Electricity, Magnetism, and Meteorology, the classified arrangement of the books has been completed, and the card catalogue will now be taken in hand. The annual examination of the West and North Libraries has been made, the books on the shelves being compared with the catalogues. The progress made in the observations of the reference stars for the astrographic plates, for which 10,000 stars are to be observed three times above and twice below pole-with the exception of about 1000 stars fainter than the 9th magnitude which cannot be observed below pole-is satisfactory. These stars include all the stars down to the 9th magnitude of the Bonn Durchmusterung, and fainter stars which have been added to the list recently, so that there will in no case be fewer than 12 reference stars on a plate, the average number being 22.4. The observations of these stars were commenced at the beginning of 1897, and as more than half of the observations required have already been secured, it may be confidently anticipated that the full number of observations will be obtained for the new Ten Year Catalogue, 1897 to 1906. The Annual Catalogue for 1901 has been prepared as far as 12h R.A., and is available for use in the Astrographic Branch, furnishing observations of stars up to date for forming the plate constants.

The change in the method of adopting the azimuth error introduced at the beginning of 1900, and referred to in the Report of that year, has effected a satisfactory diminution of the small discordance in right ascensions taken on opposite sides of the pole. The correction for the R-D discordance found for 1901 is $+ 0^{\circ}.062 + 0^{\circ}.442 \sin Z.D.$ The coefficient of sin Z.D. was about $+ 0^{\prime\prime}$ ·6 from 1881 to 1894, diminished to $+ 0^{\prime\prime}$ ·4 in 1895 and 1896, to $+ 0^{\prime\prime}$ ·1 in 1897 and 1898, and has since increased to $+ 0^{"2}$ in 1899, $+ 0^{"3}$ in 1900, and + 0".4 in 1901. Very satisfactory progress has been made with the re-reduction of Groombridge's observations, the three years 1809, 1810 and 1811 with 10,500 observations of R.A. and N.P.D. having been finished since the last Report. catalogue of the positions of the stars in the Berliner Jahrbuch derived from Groombridge's observations from 1806-1810 was forwarded to Dr Auwers for use in the preparation of his Fundamental Catalogue. Dr Auwers found that a large increase in accuracy had been effected by the re-reduction. The same satisfactory result has been found by a comparsion of the revised right ascensions of the close polar stars with those given by W. Struve. As much inconvenience has been occasioned through the breaking of the spider lines in the altazimuth, which had an unnecessarily long span, the micrometer slides have been altered so as to reduce the span from 1.5 inch to 0.8 inch in azimuth and to 0.6 inch in The instrument was out of use from September 6 to October 21 while this alteration was being made. The result has been satisfactory, as (with the exception of one wire which broke very soon after it was inserted) the 27 vertical and 21 horizontal wires have remained intact since October 21. The instrument has been used in the meridian in four positions as a reversible transit-circle for observations of Sun, Moon, planets, and fundamental stars, and also for observation of the Eros reference stars, and reference stars for Sir David Gill's heliometer observations of major planets. Observations of the moon, planets, and stars have been obtained in the prime vertical or other azimuths on 28 days. During the year ending May 10, 1902, 16 disappearances and 4 re-appearances of stars occulted by the moon have been observed by one or more observers. The instrument 28-inch refractor has been used throughout the year for

micrometric measurements of double stars. The total number of double stars measured in the year is 382; of these 221 have components less than 1" 0 apart, and 120 less than 0".5.

Astrographic Equatorial. - During the year ending May 10, 1902, 413 plates have been taken on 103 nights. To prevent deterioration of the plates taken, they have been coated with celluloid varnish. Included in the number of 413 plates taken during the year are 15 for the adjustment of the instrument, 2 of Eros, and 145 of Nova Persei. The Nova was last photographed on April 10, and photographs of it will be taken again as soon as practicable. Twenty of the photographs have been measured for the determination of the parallax and proper motion of the Nova, and a discussion of the results is given in the Monthly Notices, R.A.S., Vol. LXII., April 1902. During the year positives on glass have been made of 96 chart plates, which, with the number 1191 given in last year's Report, gives 1287 as the total number of chart plates which have been copied, some of the 1148 fields taken having been duplicated. Since the last Report 73,400 measures of pairs of images (6m and 3m), as well as of the diameters of the 6m images, have been made. The number of plates measured in the twelve months in two positions of the plates is 114. At the date of the last Report the measurement of the plates was completed from Dec. 64° to 75°, and to Dec. 76° as far as R.A. 7h 30m, with the exception of one plate. During this year Zone 75° (Dec. 75°-76°) has been completed and Zone 76° and Zone 77° as far as R.A. 16h have been measured. The measurement is now completed for 840 plates out of 1149 or 1610 square degrees out of 2087, so that 77 per cent, of the whole work of measurement has now been done.

Preparations have been completed for the photographic determination of the places of the stars in the immediate neighbourhood of the Pole. Two 4-inch rapid rectilinear lenses, mounted successively on the Astrographic Equatorial, have been tested with different stops, and the regular work of photographing and measuring will now be taken in hand whenever the pressure of other work will permit.

Eclipse of the Sun, May 18, 1901.-Two observers went from the Royal Observatory to observe the total eclipse of May 18, Mr Dyson to a small island near Sumatra and Mr Maunder to Mauritius. Preliminary accounts of these expeditions are given in the Proceedings of the Royal Society, Vol. LXIX., pp. In Sumatra eight photographs were obtained with the Thompson Coronagraph (giving an image of the Sun of 4 inches diameter) with exposures ranging from 10 seconds on a photo-mechanical plate to 40 seconds on a special rapid plate, and an equal number with a 4-inch Dallmeyer rapid rectilinear lens of 34 inches focus and with a "Unar" lens by Ross of 2.4 inches aperture and 12 inches focus, the exposures ranging from 5 seconds on a slow plate to 35 seconds on a special rapid. In Mauritius seven photographs on a scale of 2.4 inches to the Sun's diameter with the exposures ranging from 4 seconds on an ordinary plate to 40 seconds on a special rapid were taken with the 4-inch Dallmeyer photoheliograph, adapted for the purpose by the use of a concave enlarging lens, and six with a 4-inch rapid rectilinear lens of 33 inches focus. Mr Claxton, Director of the Mauritius Observatory, acting in concert with Mr Maunder, took a series of photographs on a scale of 8 inches to the Sun's diameter with the Mauritius photoheliograph, during totality and also during the partial phase. In Sumatra photographs of the spectra of the corona and of the Sun's limb at the commencement of totality were obtained with two slit spectroscopes-quartz for the ultra-violet and flint for the visual part of the spectrum.

Spectroscopic and Heliographic Observations.—The spectroscope, mounted on the Thompson Equatorial, was in use from May 14 to November 15, and during this period 53 photographs of the spectra of some of the brighter stars were obtained. Some of these photographs are quite satisfactory, but in others displacements have been found in the comparison spectra taken at the beginning, middle, and end of the exposure in different positions of the instrument. On examination of the spectroscope, it was found advisable to clamp the collimators and camera-telescope more firmly, as well as the prism-box and its circle. These improvements were carried out in October and November, and since that date there has been no opportunity till May to resume work with the spectroscope, the equatorial being in use for photographing the Nova Persei nebula, and subsequently, Neptune and his satellite. In the year ending May 10, 1902, photographs of the Sun have been taken on 178 days. The Dallmeyer photoheliograph was in use till September 19, when the Thompson photoheliograph, which had been taken to Sumatra for the eclipse, was mounted in its place. Of the Greenwich photographs, 344, taken on 171 days, have been selected for preservation, besides 18 with double images of the Sun for the determination of zero of position angles. Supplementary photographs have been received from India and Mauritius to January 18, 1902. For the year 1901, Greenwich photographs have been selected for measurement on 149 days, and photographs from India and Mauritius (filling up gaps in the series) on 210 days, making a total of 359 days out of 365 on which photographs are at present available. The proportion of days upon which the Sun was entirely free from spots was 80 per cent, for the year 1901, and about the same proportion for 1902 to the date of this Report. But the appearance of two considerable groups this year, and the high latitudes of the spots generally, are indications that the actual minimum is passed. All the photographs for 1901 have been measured in duplicate, and the reductions completed, and the copy for press has been sent to the printer.

Magnetic Observations. - The usual observations have been made.

The principal results for the magnetic elements for 1901 are as follows:—Mean declination, 16° 26'·0 West; mean horizontal force, 4'0082 (in British units), 1'8481 (in metric units); mean dip (with 3-inch needles), 67° 6' 5". These results depend on observations made in the new Magnetic Pavilion, and are free from any disturbing effect of iron. The magnetic disturbances in 1901 have been small and few in number. There were no days of great magnetic disturbance and 8 of lesser disturbance. Tracings of the photographic curves for these days, selected in concert with M. Mascart, will be published in the annual volume as usual. The calculation of diurnal inequalities from five typical quiet days in each month has been continued.

Meteorological Observations.—The mean temperature for the year 1901 was 49°3, being 0°2 below the average for the 50 years 1841-90. During the twelve months ending April 30, 1902, the highest temperature in the shade (recorded on the open stand in the Magnetic Pavilion enclosure) was 87°9 on July 19. The highest temperature recorded in the Stevenson screen in the enclosure was 86°0, and in that in the Observatory Grounds 87°1 on the same day. The lowest temperature of the air recorded in the year was 14°3, on February 16. During the winter there were 52 days on which the temperature fell below 32°, a number slightly below the average. The low temperature in February is the lowest temperature recorded in that month since 1895, when, on February 8, the minimum February temperature 6°9 occurred. The mean daily horizontal movement of the air in the twelve months ending April 30, 1902, was 270 miles, which is 11 miles below the average of the preceding 34 years. The greatest recorded daily movement was 819 miles on February 1, and the least, 51 miles on November 5. The greatest recorded pressure of the wind was 27°3 lbs. on the

square foot on April 27, and the greatest hourly velocity 43 miles, on November 12 and February 1. During the year 1901 Osler's anemometer showed an excess of 15 revolutions of the vane in the positive direction N., E., S., W., N., excluding the turnings, which are evidently accidental. The number of hours of bright sunshine recorded during the twelve months ending April 30, 1902, by the Campbell-Stokes instrument, was 1519 out of 4457 hours during which the Sun was above the horizon, so that the mean proportion of sunshine for the year was 0.341, constant sunshine being represented by 1. The rainfall for the year ending April 30, 1902, was 17.89 inches, being 6.65 inches less than the average of 50 years. The number of rainy days was 116. The rainfall has been less than the average in each year since 1894. The total deficiency of rainfall for the seven years ending December 31, 1901, amounts to 23.70 inches.

PHYSICAL SOCIETY OF LONDON,

22 ALBEMARLE STREET, W.

(Founded in 1874, and Registered under the Companies Act.)

- Officers.—President: Prof. S. P. T. Thompson, D.Sc., F.R.S. Secretaries: H. M. Elder, M.A., 50 City Road, E.C.; W. Watson, F.R.S., 7 Upper Cheyne Row, S.W.
- Meetings.—Ordinary Meetings on the second and fourth Fridays of the month from November to June inclusive, at 5 p.m. The Annual General Meeting is in February.
- Membership. Entrance Fee, £1; Annual Subscription, £2, 2s.
- Publication. Proceedings, published four times a year (Taylor & Francis).

MATHEMATICAL ASSOCIATION,

KING'S COLLEGE, STRAND, W.C.

(FOUNDED 1871.)

- Officers.—President: J. Fletcher Moulton, M.P., K.C., F.R.S. Secretaries: C. Pendlebury, M.A., St Paul's School, W.; H. D. Ellis, M.A., 12 Gloucester Terrace, Hyde Park, W.
- Meetings.—An Ordinary Meeting is held once in each Academical term, on the first Thursdays in May and October, at 8 P.M., at University College, Gower Street, W. The Anniversary Meeting takes place in January.
- Membership.—Annual Subscription (including subscription to the Mathematical Gazette), 7s. 6d. (for 1902), 10s. for 1903 and afterwards.
- List of Principal Papers read during Session 1901-1902 and published in the "Mathematical Gazette" (issued six times a year), price 1s. 6d. each (G. Bell & Sons).
- Barrell, Frof. F. R.—The Slide Rule. Muggeridge, G. D.—Areal Co-ordinates and their Applications.

Richardson, Rev. G.—The Trigonometry of the Tetrahedron.
Russell, Hon. B.—The Teaching of Euclid.

AERONAUTICAL SOCIETY OF GREAT BRITAIN.

Officers. - President: Major B. F. S. Baden-Powell. Hon. Secretary: E. S. Bruce, M.A., 19 Campden House Road, Kensington, W.

Meetings. - Ordinary Meetings are held occasionally.

Membership. -- Annual Subscription. One Guinea.

Publication.—Aeronautical Journal, issued quarterly, 1s.

Papers read during Session 1901-1902.

Barton, Dr F. A.—Some further Notes on the Barton Airship. Mar. 11.

Bacon, Rev. J. M .- Balloon Ascents in

Thunderstorms. July 17.

Bacon, Gertrude.—Photography from a

Balloon. Mar. 11.

Bruce, E. S., M.A.—The Scientific
Aspects of M. Santos Dumont's
Experiments. Dec. 3.

The Peace Balloon of the late

Senhor Angusto Scorio. July 17.

Jones, Capt. H. B., R.E.—Note on a performance of the Bristol War

Balloon during the South African

War. July 17.

Marriott, W.—Atmospheric Currents. Dec. 3.

Maxim, Sir H .- Aerial Navigation by means of Bodies heavier than Air. Dec. 3.

Möidebeck, Major W. L.—The Development of Aerial Navigation in Germany. Mar. 11.

Sampaio, Dr C .- The "Peace" Balloon of the late Senhor Augusto Scoiro. July 17.

Zimmermann, Dr C.—Note on the Cycala Flying-Machine. July 17.

THE AERONAUTICAL INSTITUTE AND CLUB.

Officer. - Hon. Secretary: O. C. Field, 20 Adelaide Road, Brockley, S.E.

LEEDS ASTRONOMICAL SOCIETY.

MUNICIPAL BUILDINGS. (Founded 1862.)

Officers.—President: H. J. Townshend. Hon. Secretary: W. D. Barbour, 68 Grange Avenue.

Meetings. - Ordinary Meetings are held on the second Monday during the Session at 7.30 P.M. The Annual Meeting in January.

Membership. - Annual Subscription, 5s.

Publication. - Journal and Transactions for 1901, 2s., which includes the Papers marked *.

List of Papers read from February 1901 to May 1902.

Barber, W. B. A. -Parallax. H.,

Apr. 14, 1902.

Barbour, W. D.—Relation of Man to the Universe. Nov. 11, 1901.

Benton, T .- Our Poets on Astronomy, Mar. 10, 1902.

Dodgson, A.—Recent Orientations of Pyramids in the Soudan.* Mar. 11, 1901.

Gregg, I. F. H. C .- Meteors. Sept. 9, 1901.

Lang, J.—Waves in Water, Air, and Ether.* Feb. 11, 1901. Pocklington, Dr.—Graphical and Me-

chanical Methods in Astronomy.* Apr. 17, 1901.

Townshend, H. J. - Observations during

the year. Dec. 9, 1901.

Whitmell, C. T., M.A., B.Sc.—The
Planet Neptune as a View Point.* May 13, 1901.

· Venus and Mercury, Mr Whitmell's

Star-Finder. Feb. 10, 1902.
- Velocities, Paths, and Eclipses in the Solar System. May 12, 1902.

Wilson, R. A.—The Twelve Motions of the Moon. Oct. 14, 1901.

SCOTLAND.

EDINBURGH MATHEMATICAL SOCIETY.

THE EDINBURGH INSTITUTION, 8 QUEEN STREET.

(FOUNDED 1883.)

- Officers. President: Geo. Duthie, M.A. F.R.S.E. Hon. Secretary: D. C. M'Intosh, M.A., 37 Warrender Park Terrace.
- Meetings. -Ordinary Meetings are held at 8 P.M. on the second Friday of each month, from November to June inclusive. The Anniversary Meeting is held in November.
- Membership.—No Entrance Fee; Annual Subscription, 7s. 6d.
- Publications during 1902.—Proceedings, Vol. XX., 7s. 6d.; Resolutions on proposed Changes in the Teaching of Elementary Mathematics.

Papers read during Session 1901-1902.

- R. E.—On some Allardice, Prof. Systems of Conics associated with the Triangle. May.
- Blickfeldt, H. F .- Solution of a Pair of Theorems in Geometry. Dec.
- Burgess, A. G.—Theorems on Parallels through Reciprocal Points and on Antiparallels through the Symmedian and Orthocentre. Nov.
- Butters, J. W., M.A., B.Sc.—Notes on Decimal Coinage and Approximation. May.

 Carslaw, H. S., D.Sc.—The use of Fourier's Series in the Problems of
- Vibrating Strings. Jan.
- On a Theorem on Inequalities. Jan. Crawford, L., D.Sc.—On a Property of
- Circulating Decimals. Jan.
 A Proof of Rodrigues' Theorem, and some Expansions derived from it. Dec.
- Gibson, Prof. G. A.-The Second In-

- tegral Theorem of Mean Value-a Geometrical Proof. Nov.
- Mackay, J. S., LL.D.—Note on the Theorems of Menelaus and Ceva.
- Miller, J. N.—On an Instrument for Trisecting any Angle. Nov.
- Muir, T., LL.D., F.R.S.—The Applicability of the Law of Extensible Minors to Determinants of Special
- Form. May.

 Muirhead, R. F., M.A., B.Sc.—Notes
 on the Theory of the Rolling of one
 - Rigid Surface on Another. Dec. Geometrical and Kinematical Notes. June.
- Peddie, W., D.Sc.-A Geometrical Construction for the Force, at any point, due to Electric Point-charges or Ideal Mognets. June.
- Tweedie, C., B.Sc.—Notes on Equations and Inversion. June.

SCOTTISH METEOROLOGICAL SOCIETY,

122 GEORGE STREET, EDINBURGH.

- Officers. President: The Duke of Richmond and Gordon. Hon. Secretary: Sir A. Mitchell, K.C.B., M.D., LL.D. Meteorological Secretary : Alexander Buchan, M.A., LL.D., 122 George Street, Edinburgh.
- Meetings. Meetings are held as advertised.
- Membership.—No Entrance Fee; Minimum Annual Subscription, 10s. 6d.; Life Composition, Ten Guineas.
- Publication. Journal, 15s.

[No Return.]

SECTION III.

CHEMISTRY AND PHOTOGRAPHY.

LONDON.

CHEMICAL SOCIETY,

BURLINGTON HOUSE, PICCADILLY.

- Secretaries: W. R. Officers.—President: Prof. T. E. Reynolds, D.Sc., F.R.S. Dunstan, M.A., F.R.S.; A. Scott, D.Sc., F.R.S. Assistant-Secretary: R. Steele, F.S.A.
- Meetings.—As far as possible, alternately on Wednesdays at 5.30 P.M. and Thursdays at 8 P.M., from November to June inclusive. The Anniversary Meeting takes place in March.
- Membership.—Entrance Fee, £4; Annual Subscription, £2; Life Composition,
- Publications during 1901 and 1902,—Proceedings; Transactions.

Papers communicated, July 1901 to June 1902. Abstracts of all appear in the "Proceedings."

- Anderson, W. R. See Mellor, J. W. Armstrong, Dr H. E., F.R.S.—The Frankland Memorial Lecture. Oct. 3.
 - and E. Horton.—The part played by Residual Affinity in the formation of Substitution Derivatives. The Orienting Influence of Sulphur. Dec. 5.
- and T. M. Lowry, D.Sc.—Deriva-
- Baker, H. B.—The Union of Hydrogen
- and Oxygen. Feb. 19.

 Baker, J. L.—The Action of Ungerminated Barley Diastase on Starch.
- Part I. June 5.

 Ball, W. C.—A new Colour Reaction of
- Hydroxylamine. Jan. 16.

 Baly, E. C. C., and F. G. Donnan.—The
 Variation with Temperature of the Surface-tensions and Densities of Liquid Oxygen, Nitrogen, Argon, and Carbon Monoxide. May 15. Basset, H., jun. See Donnan, F. G.
- Beilby, G. T., and G. G. Henderson .-The Action of Ammonia on Metals at High Temperatures.

- Bone, W. A., and C. H. G. Sprankling.
 —The Synthesis of Alkyl-substituted Tricarballylic Acids. Nov.
 - The Bromination of Trimethylsuccinic Acid and the Interaction of Ethyl Bromotrimethylsuccinate and Ethyl Sodiocyanacet-
 - ate. Dec. 5.
 and R. V. Wheeler.—The Slow Oxidation of Methane at Low Temperatures. Mar. 6.
- Boyd, D. R.—Action of the Chlorides of Phosphorus on certain Aromatic Ethers of Glycerine.
- Briggs, S. H. C. See Cohen, J. B.; Perkin, A. G.
- Brown, A. J.-Enzyme Action. Feb.
- Brown, H. T., and T. A. Glendinning.
 —On the Velocity of Hydrolysis of Starch by Diastase, with some Remarks on Enzyme Action. Feb.
- Browning, K. C., M.A.—Note on Phosphorus Suboxide. Dec. 5.
 Burgess, C. H., and D. L. Chapman.
- Non-existence of the so-called Suboxide of Phosphorus. Part II.

CHEMICAL SOCIETY—continued.

Burrows, H. See Tilden, W. A. Carpenter, H. C. H.—On the Oxidation of Sulphurous Acid to Dithionic Acid by Metallic Oxides. Nov. 21. Chapman, D. L. See Burgess, C. H. Chattaway, F. D.-Nitrogen Chlorides containing the Propionyl Group.

- Nitrogen Bromides containing the

Propionyl Group. Apr. 30.

The Transformation of Diazoamido into aminoazo compounda and of Hydrazobenzene into Benzidine. June 18.

- Transformation of Diacetanilide into Aceto-p-amino-acetophenone.

June 18.

- Substituted Nitrogen Chlorides containing the Azo-group. June 18.

- A New Type of Substituted Nitrogen Chlorides. June 18.

- and J. M. Wadmore. -The Constitution of Hydrocyanic, Cyanic, and Cyanuric Acids. Jan. 16. The Cloez Reaction. Mar. 6.

Nitrogen Chlorides and Bromides derived from Ortho-substi-

tuted Anilides. June 18.

Clayton, E. G., F.I.C.—On an Incrustation from the Stone Gallery of St Paul's Cathedral. Nov. 7.

Note on Asbestos. Nov. 7.

On Phosphorus Sesquisulphide and its Behaviour with Metschedides' Test. May 28.

Clowes, F, D.Sc.—The Chemical Change produced by the Immersion of Lead in Distilled Water. Feb.

Cohen, J. B., and S. H. C. Briggs, -Menthyl Formylphenylacetate. June 18.

and H. D. Dakin.-Note on the Reduction of Trinitrobenzene and Trinitrotoluene with Hydrogen Sulphide. Nov. 21.

and J. T. Thompson.—The Action Sodium Hypochlorite Benzenesulphonanilide. Preliminary Notice. Dec. 19.

Collie, J. N. See Tickle, J. Corstorphine, R. H. See Henderson,

Crocker, J. C .- The Picrimidothiocar-

bonic Esters. Mar. 6.
Crofts, J. M. See Morrell, R. S.
Crossley, A. W.—Preparation and
Properties of 4 - Isopropyldihydroresorcin. A Correction. Apr. 17. and H. R. Le Sueur.—Substituted

Dihydrobenzenes. Part I. Dec. 5.

Dakin, H. D. See Cohen, J. B. Davis, W. A.-2: 4 - Dibromo - 5 -Nitro- and 2: 4 - Dibromo 3: 5 - Dinitrotoluenes and their Behav-

iour on Reduction. May 15.

Dawson, H. M.—On the Molecular Complexity of Acetic Acid in Chloroform Solution. Mar. 19.

and R. Gawler.—On the Existence of Polyiodides in Nitrobenzene Solution. Mar. 19.

and F. E. Grant .- A Method of Determining the Ratio of Distribution of a Base between two Acids. Mar. 19.

Denison, R. B. See Steele, B. D. Divers, E., and M. Ogawa.—Prepara-tion of Sulphamide from Ammon-

ium Amidosulphite. Mar. 19.
Dixon, A. E., M.D.—The Action of Phosphorus Trithiocyanate Alcohol. Dec. 19.

Dobbie, J. J. See Hartley, W. N.

and A. Lauder. — Corydaline.

Part VII. The Constitution of
Corydaline. Dec. 19.

The Relation of Corydaline to Berberine; the Oxidation of Berberine with Nitric Acid. Dec.

Donnan, F. G., and H. Basset, jun. The Colour Changes exhibited by the Chlorides of Cobalt and some other Metals from the Standpoint of the Theory of Electro-affinity. June 18.

Donnan, F. G. See Baly, E. C. C.

Easterfield, T. H. See Mills, W. H.
Eyre, J. V. See Meldola, R.
Farmer, R. C. See Frankland, P. L.
Fenton, H. J. H., F.R.S., and J. H. Ryffel. - Mesoxalic Semi-Aldehyde. Mar. 6.

Findlay, A .- Solubility of Mannitol, Picric Acid and Anthracene. June 18.

Forster, O. - B-Bromocamphor. М. Dec. 5.

· Conversion of 1-Hydroxycamphene into B-Halogen derivatives of Camphor. Feb. 6

- Benzylidenecamphoroxine. 19.

- Comparison of Bromonitrocamphane with Bromonitro-

camphor. May 15.
and E. A. Jenkinson.—aa-Benzoylnitrocamphor and aa-Benzoyliodocamphor. May 15.
- and Miss F. M. G. Micklethwait.—

Stereoisomeric Halogen Derivatives of a-Benzoylcamphor. Dec. 19.

CHEMICAL SOCIETY-continued.

Fortey, Miss E. C. See Young, S.

Francis, F. E., Ph.D. - Isomeric Additive Compounds of Dibenzylketone and Deoxybenzoin with benzal, p-toluidine, m-nitrobenzaniline and benzal-m-nitraniline. Part III. Mar. 6.

and E. B. Ludlam.—Isomeric Additive Products of Methyl, and E. Ethyl and Propylbenzylketone

with Benzylidene Aniline. Part IV. May 28.

Frankland, P. F., Ph.D., F.R.S., and R. C. Farmer, Ph.D.—Liquid Nitrogen Peroxide as a Solvent. Nov. 6.

Note on Liquid Nitrogen Peroxide as a Solvent. Feb. 19.

Garrett, F. C., and J. A. Smythe .-The Bases contained in Scottish Shale Oil. Part I. Feb. 19.

Gawler, R. See Dawson, H. M. Glendinning, J. A. See Brown, H. T. Goodwin, W. See Senier, A. Grant, F. E. See Dawson, H. M. Hall, A. D., and F. J. Plymen.—The Determination of Available Plant

Food in Soils by the use of Dilute Solvents. Dec. 5.

and E. J. Russell.—On a Method for Determining Small Quantities of Carbonates. Dec. 5.

Hann, A. C. O. See Lapworth, A. Harden, A., and S. Rowland.—The Autofermentation and Liquefaction of Pressed Yeast.

Hartley, W. N., D.Sc., F.R.S.-An Investigation into the Composition of Brittle Platinum. Feb. 6.

The Absorption Spectra of Metallic Nitrates. Part I. Mar. 19.

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Henderson, G. G. See Beilby, G. J. Henderson, G. G., and R. H. Corstor-phine.—The Condensation of Benzil

phine.—Incomes with Dibenzyl Ketone,

Prentice, Ph.D.—The and D. Prentice, Ph.D.—The Influence of certain Acidic Oxides on the Specific Rotations of Lactie Acid and Potassium Lactate. Apr.

Henry, J. A., D.Sc.—The Constituents of the Sandarac Resins.

Forster, M. O. — m-Nitrobenzoylcam- Hewitt, J. T., and S. J. M. Auld. The Relationship between the Substitution and the Constitution of Benzeneazo-a-naphthol. Dec. 19.

and J. S. Moore. - A Modification of Teisel's Method for the Estimation of Methoxyl Groups. Jan. 16.

and J. N. Tervet. -- Oxonium Salts of Fluoran and its Derivatives. Apr. 17.

- and A. W. G. Woodforde .--Nitrobromide of Fluorescein. May 28. Hind, J. M.

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Holroyd, G. W. F.—The Electrolytic Reduction of Nitrourea. Nov. 17. Horton, E. See Armstrong, H. E. Hunter, A. E. See Kipping, F. S.

Hartley, W. H., D.Sc. - The Chlorodibromo- and Dichlorobromo-benzenes.

Innes, W. R., M.Sc.—The Influence of Temperature on Association in Benzene Solution and the Value of the Molecular rise of Boiling Point for Benzene at different Tempera-

tures. Feb. 6.

Jeffers, E. H. See Thorne, L. T.

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Jones, H. O.—Note on the displacement of Benzyl by Methyl in substituted Nitrogen Compounds. Nov. 7.

W. Richardson,-The Decomposition of Oxalacetic Hydrazone in aqueous and acid solution, and a New Method of determining the Concentration of Hydrogen ions in Solution. June 5.

The Dissociation Constants of Oxalacetic Acid and its Hydrazene. June 5.

Jovett, H. D., D.Sc. - The A. Constitution of Pilocarpine. Part III. Nov. 7.

A New Synthesis of α-ethyltricarballylic Acid. Nov. 7.

Kipping, F. S.—Resolution of Trimethylhydrindonium Hydroxide into its Optically Active Components. Feb. 6.

Resolution of Methylbenzylacetic Acid into its Optical Isomerides.

d-Methylhydrindone. The formation of Oximes, Hydrazones, and Semicarbazones. Feb. 6.

and A. E. Hunter. - The Resolution of Pheno-a-aminoheptamethylene into its optical isomerides. Tartrates of pheno-α-aminohepta-

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Lander, G. D .- Synthesis of iminoethers, N-arylbenzimino-ethers. Mar. 19.

Lapworth, A. See A. W. Harvey.

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- Optically active Esters of β-ketone and β-aldehydic Acids. Part I. Menthyl Hydroxymethylene Phenylacetate.
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- Derivatives of Butyryl peruvic Acid. June 5.

and A. W. Harvey.—Derivatives of a-aminocamphoroxime. 19.

- and W. H. Lenton. - Optically Active Methylbenzylacetic Acid. Feb. 6.

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— Some Excessively Saline Indian Well Waters. Apr. 9.

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Ludlam, E. B.—The Preparations of Mixed Ketones by heating the Mixed Calcium Salts of Organic

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— See also Francis, F. E.

Lumsden, J. S., D.Sc.—The Solubilities of the Calcium Salts of the Acids of the Acetic Acid Series. Feb. 6.

The Equilibrium between a Solid and its Saturated Solution at various Temperatures. Feb. 6.

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M. Crae, J.—Ethyl sec-octyl Tartrate
and its Dibenzoyl and Diacetyl Derivatives.

M. Kenzie, A. — Optically active hydroxybutyric Acids. Preliminary Notice. Nov. 21.

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Marsh, J. E. — The Stereochemical Formulæ of Benzene. June 18.

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Meldola, R., and J. V. Eyre. —
Additional Notes on Dinitroorthoanisidine. A Chemical Reaction in which one of the Products continues the same Reaction.

- Elimination of a Nitrogroup on Diazotisation; Dinitro-p-

anisidine. June 18.

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V. and VI. June 18.

and W. R. Anderson.—On the Union of Hydrogen and Chlorine. Part IV. The Draper Effect. Feb. 6.

and E. J. Russell.—The Preparation of Pure Chlorine and its Behaviour towards Hydrogen. June 18.

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Micklethwait, Miss S. M. G. See

Forster, M. O.
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sted. A Report to the Lawes Trust Committee. Apr. 17. The Amounts of Nitrogen, as Nitrates, and Chlorine in the Drainage through Uncropped and Unmanured Land. A Report to the Lawes Trust Committee. Apr. 17.

Moore, T. S. See Hewitt, J. T.
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Substitution on the Formation of Diazoamines and Aminoazo-compounds. Dec. 5.

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Fatty Acids in the Presence of Ammonia; Formation of Amides.

Nov. 7. The Nitration of s-trihalogenanilines. Mar. 6.

- Some s-Nitrochlorobromoanilines and their Derivatives. Mar. 6.

- Nitration of s-Trihalogenacetanilides. Mar. 19.

- The Preparation of Highly Sub-

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stituted Nitroaminobenzenes. Apr.

Orton, K. J. P.—The Action of Chlorine and Bromine on Nitroaminobenzenes. Part I. Trisubstituted Chloronitroaminobenzenes.

Patterson, T. S .- The Influence of Solvents on the Rotation of Optically Active Compounds. Part IV. Influence of Benzene, o-xylene, m-xylene, p-xylene and mesotylene on the Rotation of Ethyl Tartrate. Part IV. Influence of Naphthalene on the Rotation of Ethyl Tartrate. May 28.

Perkin, A. G.-Myricetin. Part II. Jan. 16.

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- Quercetagetin. Mar. 19. - and S. H. C. Briggs.—The

Colouring Matters of Green Ebony. and E. Yoshitake.—Constituents

of Gambiers and Acacia Catechus. June 5.

H., jun.-Brasilin and Perkin, W. Hæmatoxylin. Part VI. Constituents of Brasilic Acid, of Brasilin, and of Hæmatoxylin. Dec.

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The Magnetic Rotation of some Polyhydric Alcohols, Hexoses and Disaccharoses. Dec. 19.

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Perman, E. P.—The Influence of Salts and other Substances on the Vapour Pressure of Aqueous AmmoniaSolu-

tion. Dec. 19.

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Pope, F. G., and J. M. Hird. — Derivatives of 3-nitrotolyl-4-hydrazine.

Nov. 8. Power, F. B., and F. H. Lees.—The Constituents of the Essential Oil of Asarum canadense. Nov. 21.

and F. Shedden. - Derivatives of Gallic Acid. Dec. 5.

Prentice, D. See Henderson, G. G. Ramsay, W., F.R.S.—Note on the Supposed Formation of an Oxide of Hydrogen higher than the Dioxide.

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trite and its Haloid Derivatives. Apr. 17.

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Ruhemann, S. - Condensation of Phenols with Esters of Unsaturated Acids. Part VII. Feb. 19.

and H. E. Stapleton. - Tetrazoline.

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- and E. Wragg. — Condensations of the Phenols with Esters of the Acetylene Series. Part VI.

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The Radioactivity of Thorium Compounds. Part II. The Cause and Nature of Radioactivity. May 15.

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Senier, A., and W. Goodwin .- The Action of Methylene Dioxide on Aryl- and naphthylamines: Diarylmethylendiamines, Acridines and Naphthacridines. Jan. 16. - and T. Walsh.—The Polymerisation

of Cyanic acid: Cyanuric Acid and Cyamelide. Jan. 16.

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Silberrad, O., Ph.D.—Polymerisation Products from Diazoacetic Ester. Feb. 19.

Smith, C .- Studies in the Tetrahydronaphthalene Series I. The Diazoamino-compounds of ar tetrahydroβ-naphthalene. June 5.

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nium. May 15.
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Sprankling, C. H. G. See Bone, W. Stapleton, H. E. See Ruhemann, S.

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e, B. D., D.Sc.—An Accurate Method of determining the Com-Steele,

pressibility of Vapours. June 18. - and R. B. Denison.—The Transport Number of very Dilute Solutions. Feb. 6.

Steven, A. B. See Perkin, A. G. Stevens, H. P .- On the Hydrochloride of Thiocarbamide. Nov. 21.

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19. Tervet, J. N. See Hewitt, J. T.
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Jeffers.—Note on the Purification

of Hydrochloric Acid from Arsenic.

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Thorpe, T. E., C.B., F.R.S., and G.

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Tickle, T., and J. N. Collie, F.R.S .-On some Hydroxy-pyrone Derivatives. June 18.

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Tilden, W. A., and H. Burrows.—Pre-liminary Notice of some New Derivatives of Pinene and other Terpenes. June 18.

Van't Hoff, Prof.—The Raoult Memorial Lecture. Mar. 26.

Wade, J .- The Constitution of the Metallic Cyanides as deduced from their Synthetic Interactions: the Constitution of Hydrogen Cyanide. Mar. 19.

Wadmore, J. M. See Chattaway, T.

Walker, J., and J. S. Lumsden.—The Hydrobromides of Undecylenic Acid.

- Normal Decane-dicarboxylic Acid.

West, C. A.-Experiments in Phosphorus Tetroxide. June 5.

Wheeler, R. V. See Bone, W. A. Wigner, J. H. See Marshall, C. R. Woodforde, A. W. G. See Hewitt. J.

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Young, S., D.Sc., F.R.S.—The Preparation of Absolute Alcohol from

Strong Spirit. Apr. 30.

On the Vapour Pressures and Boiling Points of Mixed Liquids. Apr. 30.

·The Correction of the Boiling Points of Liquids from Observed to Normal Pressure. Apr. 30.

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On the Properties of Mixtures of the Lower Alcohols with Benzene and with Benzene and Water. Apr. 30.

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INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.

30 BLOOMSBURY SQUARE, W.C.

(Founded 1877; Incorporated by Royal Charter 1885.)

- Officers. President: Prof. J. M. Thomson, LL.D., F.R.S.* Registrar and Secretary: Richard B. Pilcher.
- Meetings. -The Annual General Meeting for 1903 will be held on March 2nd. Occasional meetings are held to discuss questions of interest to Analytical and Consulting Chemists.
- Objects.—Under the provisions of the Royal Charter, the Institute was incorporated to promote the better education of persons desirous of becoming Public and Technical Analysts and Chemical Advisers on scientific subjects; to examine Candidates, and to grant certificates of competency: to elevate the profession of Consulting and Analytical Chemistry by setting up a high standard of scientific and practical proficiency and by insisting on the observance of strict rules in regard to professional conduct.

^{*} Retires on 2nd March 1903.

No person can become an Associate of the Institute until he has attained the age of 21 years. He must have passed an approved Preliminary Examination in subjects of general education, and such other examination in scientific subjects as are prescribed by the Council, after having systematically studied Theoretical and Analytical Chemistry, Theoretical and Practical Physics, Elementary Mathematics, and one other allied science for at least three years in a recognised Institution.

There are three Examinations for admission to the grade of Associate, viz.:-

- I. The Preliminary Examination in Subjects of General Education.
- II. The Intermediate Examination in General Theoretical and Practical Chemistry.
- III. The Final Examination in a Branch of Chemistry selected by the Candidate.

In order to become eligible for the Fellowship an Associate is required to have been continuously engaged for a further term of three years in the study and practical work of applied Chemistry in a manner satisfactory to the Council.

Any Fellow of the Institute may use after his name the initials F.I.C., and any Associate of the Institute the initials A.I.C.

- The Examinations are held in the Laboratories of the Institute at 30 Bloomsbury Square in January and July, except the Examinations in Biological Chemistry, which are held in October. The dates of the Examinations are advertised in the leading Newspapers and Scientific Journals in the United Kingdom. Application forms can be obtained from the Registrar.
- The Annual Subscription for Fellows and Associates is One Guinea, and for Students, Five Shillings. The Entrance Fee to the Fellowship is Five Guineas. Life Composition Fee, Twenty Guineas.
- Publications issued to Members from January 1901 to June 1902.—Proceedings, Part I. (May). Register of Fellows, Associates, and Students, April 1901. Proceedings, Part II. (November). Book of Regulations for 1901–1902, published in June 1901, price 1s. Proceedings, Part I., 1902 (April). Register of Fellows, Associates and Students, 1902 (April).
- The Book of Regulations for Admission to the Membership can be obtained from Messrs Blundell, Taylor & Co., 173 Upper Thames Street, E.C. Price 1s. post free.

SOCIETY OF CHEMICAL INDUSTRY,

PALACE CHAMBERS, 9 BRIDGE STREET, WESTMINSTER, S.W.

(FOUNDED 1881.)

- Officers.—President: I. Levinstein. Hon. Treasurer: Samuel Hall. Hon. Foreign Secretary: Dr Ludwig Mond, F.R.S. General Secretary: Charles G. Cresswell. Editor: Watson Smith.
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Meetings.—The Annual General Meeting (1902) was held in Liverpool on July 9-11, and the forthcoming Meeting (1903) will be held in Bradford next July. Sectional Meetings are held during Winter and Spring.

Membership. - About 3800. Entrance Fee, One Guinea; Annual Subscription, 25s.

Local Sections. —There are now nine of these in operation, viz., in Canada, Liverpool, London, Manchester, Newcastle-on-Tyne, New York, U.S.A., Nottingham, Scotland, and Yorkshire. The Scottish Section holds meetings at both Glasgow and Edinburgh.

Publications.—The Journal, twice a month, issued free to Members, and to Subscribers for 36s. per annum. Single numbers, 1s. 9d. each to Members and Subscribers only, by application to the General Secretary. (Publishers, Eyre & Spottiswoode, East Harding Street, E.C.)

Papers read before Sections of Society, Session 1901-1902.

Abney, Sir W. de W.-The Photog-

raphy of Colour. Nov. Ll.

Ackroyd, W.—The Marsh Berzelius

Arsenic Deposit. July. Y.

Adams, A. — The Heat Producing
Power of Fuel. Oct. Man.

erson, W., and J. A. R. Henderson.—Coals of Bengal and W., Anderson,

Japan. Feb. G.

Archbold, Dr G. — Manufacture of
Maize Starch. Jan. Ll.

Archbutt, L.-Rosin Grease. Dec. Man.

Aspinwall, Capt. H. C .- Stability Tests for Nitro-Explosives.

Bailey, Dr T. L .- Bronze containing Lead, its Corrosion, etc.

Blockey, F. A.—Analysis of some New Tanning Materials. Feb. Y.

Blount, B. See Stanger. Bradburn, J. A.—Parts of the Ammonia Soda Process open for Improvement. May. N.Y.

Brakes, J.—Volumetric Determination of Molybdenum. June. N.Y. Brame, J. S. S., and V. B. Lewes.—

Production of Mixed Carbides of Manganese and Calcium. June.

Brown, R. B., and J. M'Crae. - The Solution Theory of Dyeing. Nov.

Burgess, H. E., and J. F. Child.—The Lemon Oil Industry. Dec. L. Byrom, T. H. - Solvent Power of

Phosphoric Acid. Feb. Ll. Carey, A.-Water Carriage in Great Britain. June. Ll.

Carey, E.—Observations on the Factory and Workshops Act and the Alkali Works Regulation Bill of 1901.

Feb. Ll.

Carpenter, F. B.—Analysis of Crude

Sulphur. June. N.Y.

Carulla, F. J. R.—Emergencies in
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Child, J. F. See Burgess, H. E.

Clayton, E. G.—Technical Examination of Glue. May. L.

Clowes, Prof. F.—New Table Photometer and Standard Pentana

meter and Standard Pentane Burner. Mar. L.

Cohn, A. J.-Blue Print and Black Print Photographic Papers. May. N.Y.

Collins, S. H.—Absorption of Arsenic

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Conroy, Dr J. T.—Catalysis and its
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Dakin, H. D.—The Use of Persulphates in Analysis. June. Y. Discussion on Bill relating to the Dis-

charge of Works Effluents. May.

Dunn, Dr J. T .- Density of Aqueous Solutions of Ferric Chloride.

Dupré, Dr A.-The Explosion of Potassium Chlorate by Heat. Feb.

Estimation of Perchlorate in Saltpetre. June. L.

Eddy, H. P.—Effect of Pickling Liquids Sewage Treatment. on N.Y.

Fawsitt, C. A .- Peroxide of Hydrogen : its Manufacture and Uses.

Gane, E. H.—Copper in Powdered Drugs and Chemicals. Feb. N.Y.

Gausser, A. See Parker, J. G. A. H. - Specific Heat of

Glycerin Waste Lyes and Crude Glycerin. June. N.Y.
Golding, J.—Argand Burner in "Kjeldahl" Estimation of Nitrogen. May. Man.
Goodwin, Prof. W. L.—Production of Charcel in Ontario. June. C.

Charcoal in Ontario, June. C. Granja, R.—Tinfoil and Bottle Caps Manufacture. Dec. N.Y.

Gray, T .- The Phenols from Shale Oil.

June. G. Grossman, J. — Novelty in Patents

according to German Patent Law. Nov. M. Hehner, O.—Preparation of Arsenic

Free Zinc. May. L. Henderson, J. A. R. See Anderson, W. C. Hewitt, Dr J. T.—Retarding Influence of Aldehydes on the Maturing of

Spirit. Jan. L. Hinchley, J. W.—Separation of Solids which differ in Specific Gravity. Jan. L.

Homfray, I. See Ramsay, W.

Hunt, F. W .- Methods used to determine the Iodine Values of Oils. Y. Apr.

Ingle, Dr H. - Free Acid formed during Hübl's Reaction with Unsaturated

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Irwin, W.—The Soot Deposited on
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Jackson, D. D.—Precipitation of Iron, Manganese, and Alumina by Bacterial Action. May. N.Y.

Jacobs, C. B.—Soluble Barium Compounds from Barytes in Electric Furnace. Mar. N.Y.

Job, R., and J. B. Young.—Arsenic in Pennsylvania Anthracites. May.

Kenrick, Prof. E. B.—Artesian Water

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Lane, N. J.-Fatty Acids in some Fats and Oils. Nov. N.Y.

Lang, Prof. W. R., and others.— Separation of Arsenic, Tin, and

Antimony. June. C.

Law, H. D.—The Kjeldahl Method of
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Leather, J. P. See Ross, R.

Lee, W. C. See North, B.
Lister, J. H.—The Hygroscopic Nature
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of Cotton. Mar. M. Moisture Test of Wood Pulp. Mar. M.

- Improved Gas Samples. Mar. M.

Lister, J. H. - Strength Testing Machine for Fine Yarns. Mar. M.

Levinstein, I.—Report of Sir Edward Fry's Committee on Patent Law. Nov. M.

Report on Patent Law Amendment Bill. Feb. Mar.

Lewes, V. B. See Brame, J. S. S.
Lewis, E. A.—The Alloys of Copper
and Manganese. June. Man.

Recording Aparatus for Electrical

Pyrometer. June. Man.

Lovett, W. J. — Dephlegmator for Kjeldahl Distillations. June.

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Matthews, Dr J. M. — Influence of Indigo Red on Indigo Dyeing. Feb. N.Y.

- Actions of Caustic Soda on Wool. May. N.Y.

Matos, L. J.—Sulphur Blacks, and their Action on Cellulose. Feb. N.Y.

Meggitt, L .- A New Viscometer. Jan.

Sampling and Preparation of Shoddy, etc., for Analysis. Jan. Man.

Miller, S. B. See Gill, A. H. Moody, H. R. See Tucker, H. A. Moore, R. W.—Composition of Commercial Cyanide of Potassium.

Mar. N.Y.

Myres, H. C.—The Sugar Beet as a

Reclaimer of Alkali Regions. June. N.Y.

Nagel, Dr O.—Ricinus Oilcake. Jan. N.Y.

Norris, G. L. — Determination of Arsenic in Iron and Steel. Mar.

- Determination of Silicon in Ferro-

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O'Shaughnessey, F. R.—Birmingham
Sewage and its Treatment. May.

Parker, J. G., and Gausser, A.—Effects of Tanning Extracts containing Bisulphites on Leather. Nov. Man.

Paterson, T. L. — Improvements in Sugar Refining during the last Twenty-five Years. Nov. G.

Paterson, Dr T. S.—Thermo Regulators and Adaptors for Vacuum Dis-

tillation. Apr. Y.

Peckham, S. T. — Further Notes on
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Peters, H. See Trotman, S. R. Ramsay, W., and I. Homfray.—Colori-nietric Method of Determining Dissolved Oxygen. Nov. L.

Reed, H. C. — Analysis of Tanning | Materials: Filter Papers, etc. May. N.Y.
Report of Committee on Detection and

Estimation of Arsenic in Beer, etc.

on Uniformity in Analysis of Portland Cement Materials. Jan.

Rhodin, B. E. F .- Electrolytic Manufacture of Caustic Soda and Bleach.

Richardson, C .- The Determination of

Paraffin in Petroleum Residues, etc. May. N.Y.

and E. C. Wallace.—Petroleum from the Beaumont Field, Texas.

July. N.Y.

Occurrence of Free Sulphur in Beaumont Petroleum. N.Y.

Richardson, F. W. - Methods for Arsenic Determination in Malt Liquors.

July. Y. W. P.—Preparation, etc., of Insoluble Frits for Pottery Glazes. Mar. Man.

Mar. Man.

Robertson, R.—The Will Test for Nitrocellulose. June. L.

Ross, R., and J. G. Leather—Constitution of Gas Oils. May. M.

Schidrowitz, Dr P.—The Chemistry of Whiskey. June. L.

Silberrad, D. — Effect of the Alcohol Duty on Chemical Industry. June. L.

Smith, A. J.-Manufacture of Varnish by the Pressure Process. Nov. L. | Young, J. B. See Job, R.

th, H.—Action of Light Coloured Brass Lacquers. I Smith, N.

Smith, H. P .- Vanadium: its Extraction and Uses. Dec. M.

Smith, W.—Glyceral Phthalate. Nov. L.

Stanger, W. H., and B. Blount .-Analysis of Cement. July. N.Y. Stillwell, A. G.—Graphite Ores. June. N.Y.

Stocks, H. B.-Formation of Carbonate of Lime under Various Conditions.

Apr. Ll. Sutherst, Dr W. F.—Chemical Changes

in Ripening of Cheese. Feb. M. n. J. W. — Electro - chemical Industry. (Presidential Address.)
July. G.

Toch, M.-Composition of Paints and Pigments. Jan. N.Y.

Trotman, S. R.—Peter's Cod-Oils for

Tanning Purposes. May. Man. Nitrates in Water by the Indigo

Carmine Method. May. Man. Tucker, S. A., and H. R. Moody.—Production of Ethylene from Inorganic

Calcium Carbide. Oct. N.Y.

Volney, C. H.—Manufacture of Nitric Acid. Part II. Dec. N.Y. Wallace, E. C. See Richardson, C. Ward, G. J.—Rôle of Alumina in Blast

Furnace Slags. Apr. Man. Williams, D. T.—Estimation of Van-adium. Mar. Man.

SOCIETY OF PUBLIC ANALYSTS,

MEETING AT THE CHEMICAL SOCIETY'S ROOMS, BURLINGTON HOUSE.

Officers. - President: J. A. Voelcker, M.A., B.Sc., Ph.D., F.I.C. Secretaries: E. J. Bevan, 4 New Court, Lincoln's Inn, W.C.; A. C. Chapman, Duke Street, Aldgate, E.C.

Meetings.—First Wednesday in each month, from October to June.

Membership, -Entrance Fee, One Guinea; Annual Subscription, One Guinea.

Publication. — The Analyst, free to Members; subscription to Non-Members, 10s. 6d. per annum.

List of Papers read during Session 1901-1902, and published in the "Analyst," where marked *.

Allen, A. H.-A Contribution to the | Blount, B.-The Determination of knowledge of the Chemistry of Cider.

Bevan, E. J.—Note on the Electrolytic Detection and Estimation of Arsenic.

Carbon in Steel by Direct Combustion.*

Blyth, W.—The Detection of Artificial Colouring Matter in Fresh and Sour Milk.* Burgess, W. T.—Note on a Simple Apparatus for Approximately Estimating the Colour of Water.

Clayton, E. G.—Cocoa Extracts. Note on Commercial Zinc White and other Pigments.

Chattaway, W., and F. R. Wharton.—
Note on a Convenient Apparatus for the Chemical and Bacteriological Examination of the Atmosphere.

Cribb, C. H.-Note on a Sample of Coffee containing Starch. Note on Artificial Coffee a Sample of Berries.

Dechan, M .- The Enteritidis Sporogenes as Evidence of Sewage Pollution.

Dibden, W. J., and R. G. Grimwood .-The Detection and Estimation of Minute Quantities of Sulphuretted Hydrogen in Coal Gas.

Fisher, W. W.—The Indirect Estimation of Alkalis in Water. On the Alkaline Waters from the Lower Greensand.

Gadd, H. W.-Note on some Drug Štandards.

Hehner, O .- Müller's Method for the

Volumetric Estimation of Sulphuric Acid.

Hehner, O., and C. W. Hehner, -On Fluorides as Butter Preservatives, with Observations on the Influence on Artificial Digestion.

Lewkowitsch, P.—Oxydised Oils.*
Richmond, H. D.—The Composition of Milk.

and T. B. Harrison.—The Rapid Estimation of Boric Acid in Butter. Richards, P. A. E.—The Estimation of Platinum in Oils.

Rideal, S.—The Examination of Water from some Typhoid Polluted Wells. Schidrowitz, P. On the Mannitic

Fermentation of Wine.* Note on Reichard's Silver Method for the Determination of Morphia

in Opium.* Walker, J., and G. Warburton.—On Hexabromides of the Glycerides

and Fatty Acids.
- and C. D. Robertshaw.—Note on the Estimation of Mineral Oil in Rosin Oil.

White, J.-Note on a Sample of Spurious Cream of Tartar.*

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

17 BLOOMSBURY SQUARE, W.C. (Founded 1841.)

- Officers.—President: G. P. W. Newsholme, F.C.S. Secretary: Richard Bremridge, 17 Bloomsbury Square, W.C.
- Meetings. Ordinary Meetings on the second Tuesday in each month, November to April, at 8.30 P.M. The Annual General Meeting takes place on the third Wednesday in May.
- Membership. —Entrance by examination only. Annual Subscription: Members, One Guinea.
- Publications during 1901-1902. Pharmaceutical Journal (weekly), 4d.; Calendar, 2s.; Official Register of Pharmaceutical Chemists and Chemists and Druggists, 5s. (Annual).

Papers read during Session 1901-1902, are published in the "Pharmaceutical Journal" (5 Serle Street, Lincoln's Inn, W.C.).

Garsed, Wm. (Salter's Research Fellow).-Liquid Extract of Cocoa. Mar. 21.

Greenish, Prof. H. G., F.I.C., F.L.S.— The Official Test for Myrrh. Dec.

and F. A. Smith.—The Preparation of Tincture of Nux Vomica. Dec. 10.

- The Preservation of Solution of Mercuric Chloride. Mar. 11.

Company Greenish, Prof. H. G., F.I.C., F.L.S. and W. H. Lenton.—Extract of Gentian. Mar. 11.

Henry, A., L.R.C.P., F.L.S.—Chinese Drugs and Medicinal Plants. Apr. 15.

Holmes, E. M., F.L.S.—Pure Otto of

Roses. Dec. 10.

Lenton, W. H.—The Ash of Capsicum Fruits. Nov. 12. Luff, A. P., M.D., F.R.C.P.—

Pharmacists, Physicians, and the | Squire, P. W.-Citrine Ointment. Apr. 15. Public. Oct. 1. Wallis, T. E., B.Sc. -Structure of Capsicum minimum. Nov. 12.

RÖNTGEN SOCIETY.

20 HANOVER SQUARE, W.

- Officers. President: H. Jackson, F.C.S. Hon. Secretary: F. H. Low, M.B., 12 Sinclair Gardens, W.
- Meetings. -Ordinary Meetings are held on the first Thursday in each month, November to July inclusive, at 8.30 P.M. The Anniversary Meeting is held in July.
- Membership. Annual Subscription, One Guinea. Ladies are admitted.
- Publication. Archives of the Röntgen Ray (Rebman), 4s., published in January, March, May, and July.

ROYAL PHOTOGRAPHIC SOCIETY,

66 RUSSELL SQUARE, W.S. (INSTITUTED 1853.)

- Officers. President: T. R. Dallmeyer, F.R.A.S. Hon. Secretary: A. W. W. Bartlett, 66 Russell Square.
- Meetings. Ordinary on the second Tuesday in each month, from October to June inclusive, at 8 P.M.; technical and lantern Meetings on the third and fourth Tuesdays. The Anniversary Meeting is on the second Tuesday in February.
- Membership.—Entrance Fee, One Guinea; Annual Subscription: Fellows, Two Guineas; Members, One Guinea.
- Papers read during Session 1901-1902, and published where marked * in "The Photographic Journal," monthly, 1s. (Harrison & Sons).
- Aitken, S.—The First Ascent of Mount
- St Elias. (Abstract.) Apr. 15.

 Aston, W. S.—What is our Aim? (in Pictorial Photography). May 20.
- Barker, Capt. D. W.-Clouds. May 27.
- Bose, J. C.—The Molecular Suran.
 Theory of Vision and of Photographic Action.* June 10.
 The Photographic In-J. C .- The Molecular Strain
- Butler, C. P.—The Photographic Investigation of Astrophysical Problems. Mar. 25.
- Dallmeyer, T. R.—Presidential Address.* Oct. 8.
- Notes on Telephotographic Lenses and a New System (Adon) for attaining Magnification without Loss of Rapidity.* Apr. 8.

 English, D.—Photography as an aid to the Naturalist.* Nov. 12.
- Gamble, W.—Half-tone Screen Rulings.* Feb. 25.

- Abbott, C. Y.—Address on opening his Johnson, G. L.—A Century's Progress "One-Man Show." Mar. 25. | in Colour Photography.* Mar. 11. in Colour Photography.* Mar. 11. Kent, A. B .- Pharaohland. (Abstract.) Mar. 18.
 - Kollmorgen, F.—A New Apochromatic form of Zeiss Planar Lens. May 13. Shepherd, E. S.—Graduated Light Filter.
 - June 24. Stevens, H .- Flower, Animal and Figure Studies. (Abstract.) Jan. 21.
 - Taylor, W .- Some Lens-testing In-
 - struments.* Oct. 22.

 Thompson, S. P.—Zonal Aberration and its Consequences.* Oct. 23.
 - Vezey, J. J.-The Chateaux of Medieval France. (Abstract.) Dec. 17. Ward, Mrs C. W.—The real Dickens

 - Land. (Abstract.) Feb. 18.

 Waterhouse, Maj. Gen. J.—Notes on
 Early Teledioptric Lens Systems and the Genesis of Telephotography.*
 White, T. Dec. 10.
 - C .- Photo-micrography.* Apr. 22.

OTHER PHOTOGRAPHIC SOCIETIES.

Name of Society.	President.	Secretary.	Secretary's Address.
LONDON-			
Affiliation of Photographic Societies,	The Earl of Crawford.	A. W. W. Bartlett.	66 Russell Square, W.C.
Aldenham Institute Camera Club, . Amateur Photographic Association,	D. F. J. Campbell. H.R.H. Prince of	J. L. Mitchell.	106 Regent Street, W.
Amateur Photo. Field Club,	Wales. T. Bright.	Viscount Maitland.	14 Lower Sloane Street, S.W.
Borough Polytechnic Photo. Society, Boys' Own Postal Photo. Club,	E. Bayley.	P. C. Cornford. J. Hardwich.	103 Borough Road, S.E. 7 Bedford Terrace, Sunder- land.
Brentford Photographic Society, Brixton, &c., Camera Club, Bromley Camera Club, Camera Club,	Rev. T. Eland. W. E. Dunmore. S. B. Webber. Sir W. de W. Abney.	H. Grundy. L. W. R. Cundall. E. T. Godward. J. A. Richardson.	30 Whitestill Road. 11 Endymion Road, S.W. School of Science and Art. 28 Charing Cross Road, W.C.
Chiswick Camera Club,	H. Gintry.	W. E. Walker.	40 Grange Road, Gunners- bury.
City & Guilds of London Technical College Photographic Society,	Prof. R. Meldola, F.R.S.	S. J. Johnstone.	15 Springfield Road, New Southgate.
Cripplegate Photographic Society, . Croydon Camera Club,	H. Maclean.	A. T. Ward. E. A. Salt.	Cripplegate Institution, Golden Lane, E.C. 76 Heathfield Road, Thorn-
Ealing Photographic Society.	W. T. White.	R. M. Dawson.	ton Heath. 115 Gordon Road, Ealing.
Exeter Hall Photographic Society, .	Rev. F. C. Lam- bert.	W. E. Longhurst.	Lightfoot House, Hornsey, N.
Goldsmith's Institute Camera Club, Gospel Oak Photographic Society, .	J. W. Penfold. Rev. H. Le Pla.	Miss D. H. Tuppen. H. Billingsley.	The Goldsmith's Institute, New Cross.
· · ·	E. Farmer.	W. Selfe.	6 Burghley Road, Kentish Town, N.W. 70 Paragon Road, N.E.
Hackney Photographic Society, London, North West, Photo. Society, London and Prov. Photo. Assoc.,	W. Kilbey.	H. Dale. W. D. Welford.	271 Kentish Town, N.W. 166 Romford Road, London, E.
National Photographic Record Soc., N. Middlesex Photographic Society,	Sir J. B. Stone. R. C. Bayley.	G. Scamell. S. H. Bentley.	21 Avenue Road, Highgate. 30 Womersey Road, Crouch End, N.
Photographic Club,		E. A. Newell.	4 Maiden Lane, Queen Street, E.C. East Lodge, Dalston Lane,
Photographic Convention,	Sir W. J. Her- schell.	F. A. Bridge.	N.E.
Photographic Copyright Union,	F. Bishop.	H. Gower.	Botolph House, Eastcheap, E.C.
Plumstead (All Saints) Photo. Soc., Polytechnic Photographic Society, .	Rev. J. W. Morris. H. Farmer.	G. V. Taylor. F. Wilson.	29 Vernham Road, S.E. 5 Balderton Buildings, Grosvenor Square.
Professional Photographers Assoc., Richmond Camera Club, S. London Photographic Society,	T. Bedding. F. P. Cembrano. C. H. Oakden.	A. Ellis. E. G. Richardson. F. Goddard.	51 Baker Street. 13 Dynevor Road. Woodlands. Vanbrugh
South Norwood Photo. Club, .	S. Smith.	W. L. Bause.	Hill, Blackheath, S.E. 125 Portland Road, S. Nor- wood.
Thornton Heath Polytechnic Photo- graphic Society.	Dr C. O. Fowler.	W. B. Smith.	34 Ecclesbourne Road,
Walthamstow Photographic Soc., W. London Photographic Society, W. Surrey Photographic Society, Woodford Photographic Society, .	W. A. Longmore. W. J. Bull, M.D. J. T. Price.	W. H. Judson. J. Brown. W. H. Wilshere. F. G. Emler.	13 Whitney Road, Leyton. 28 Weltje Road, W. 236 Lavender Hill, S.W. 1 Florence Villas, Chelms-
Woolwich Photographic Society, .	C. Churchill.	W. H. Nichols.	ford Road. 30 Heavitree Road, Plum- stead Common.
COUNTRY-			
Aberdare and District Photo. Soc., Accrington and District Camera Club,	Dr Clayton.	B. J. Thomas. I. Hanson.	Commercial Street. 341 Willows Lane, Accring-
Aintree Photographic Society, Altrincham Photographic Society, .	W. Lockier. W. M. Black-	J. H. Rigby. J. A. Hill.	ton. Elton, Aintree. Fernside, Hazelwood Road
Argosy Postal Photo. Club,	shaw.	Rev. C. F. L. Barn- well.	Stramshall Vicarage, Uttor
Ashton-under-Lyne Photo. Society, .	Dr A. Hamilton.		127 Welbeck Street.

OTHER PHOTOGRAPHIC SOCIETIES—continued.

Name of Society.	President.	Secretary.	Secretary's Address.
COUNTRY—			
Aston Photographic Society,	Dr H. Morris.	T. A. Sands.	May Villa, Ettington Road,
Attercliffe Photo. Society, Aurora Lantern Slide Club,	J. Ashurst.	A. Birtles, Rev. T. Perkins,	Aston. 67 City Rd. Park, Sheffield. Turnworth Rectory, Blan-
Banbury, &c., Photographic Soc., Barnsley, &c., Photographic Soc., Bath Photographic Society, Batley, &c., Photographic Society, Beverley Photographic, &c., Society,	O. de Mirimonde. Dr F. G. Norman. P. Sheard. Rev. W. E. Wig- fall.	S. H. Beale. A. Waterhouse. W. M. Ashman. W. H. Atkinson. T. J. Morley.	ford. Caerleon, Grimsbury. 46 Dodworth Road. 12A Old Bond Street. Cemetery Lodge. Toll Gavel.
Birkenhead Photo. Association, .	E. Newall.	C. F. Burne.	80 North Road, Devonshire
Birmingham Photographic Soc., .	W. Wallis.	H. V. Cornish.	Park. Norwich Union Chambers,
Blackburn, &c., Photographic Soc.,	R.Wolstenholme.	W. Duxbury.	Congreve Street. 4 Queen's Place, Gaw-
Blaydon, &c., Camera Club,	A. Payne.	A. B. Cunning-	thorpe. Gelt House.
Bognor Photographic Society,	Dr F. S. Tid-	hame. C. J. West.	High Street.
Bolton Mutual Photographic Soc., Bootle Photographic Society, Bradford Camera Club, Bradford Photographic Society, Brierley Hill Camera and Field Club, Brighouse Photographic Society, Bristol, &c., Amateur Photo. Assoc.,	combe. G. Hesketh. Capt. Sibthorpe. W. H. S. Dawson. A. Keighley. J. Addison. Dr G. A. Farrer. H. A. H. Daniel. Rev. J. L. Fulford.	H. Platt. C. St C. Crawley. W. Barker. H. Akam. J. Thomas. J. H. Georgeson. E. Brightman. H. Price. R. Lakin.	311 Manchester Road. 9 Ash Street. 18 Moody Street. 21 Clarendon Terrace. Moor Street. Halifax Road. 61 Redland Road. Dennis Vale, Stourbridge. The School, Bromsgrove.
Burnley Camera Club, Bury Camera Club, Cambridge Y.M.C.A. Camera Club, Camera & Co., &c., Club, Cardiff Photographic Society, Cardiff Y.M.C.A. Camera Club, Carlisle, &c., Amateur Photographic Society,	F. Heap. J. Ward. F. W. Bird. W. Booth. J. T. Willows. K. J. Hough.	P. Brotherton. J. Nichols. A. W. Goatcher. F. H. Read. J. B. Hopkins. J. E. Blackburne. D. Hodgson.	19 Ormerod Road. 36 Nelson Street, Fishpool. The Observatory. Clifden Road, Brentford. 189 Castle Road. 136 Cathedral Road. The Hollins, Newby (West).
Cheltenham Amateur Photo. Society, Chichester Photo. Society, Chorley Photographic, &c., Club, Cleckheaton, &c., Photo. Society, Cleveland Camera Club,	Gen. F. Dawson. Dr E. H. Buckell. H. N. Whittle. Dr Farrow. Col. S. A. Sadler.	P. Thomas. G. M. Turnbull. H. R. Dorning. W. Drake. F. W. Pearson.	College Pharmacy, Bath Rd. Lyndhurst Lodge. 8 Pall Mall, Chorley. 7 Westgate. 98 Victoria Road, Middles-
Colne Camera Club, Cornish Camera Club, Cornwall Central Photo. Club,	Rev. T. Leyland. W. E. Baily. Prof. J. Clark.	E. A. Spiney. H. Tonkin, R. A. Greg.	brough. 27 Calder Street. 22 Market Place, Penzance. Central Technical Schools,
Coventry, &c., Photographic Society, Darwen Photographic Association, Derby Photographic Society, Devonport Camera Club, Doncaster Camera Club, Dorset Amateur Photographic Association, Dover Photo. Society,	H. D. Waters. 4. Butterworth. C. Burrow Keene. H. J. Hissett. E. Gledhill. Rev. W. M. Barnes. Rev. T. Evans.	F. E. Pierson. J. G. Thomas. F. G. Smith. F. B. Langdon. T. H. Connor, jun. Rev. T. Perkins. LtCol. J. G. C.	Truro. 1 Barr's Hill. Fern Cottage, Lough Road. Friary House. 19 Trafalgar Place, Stoke. Turnworth Rectory, Blandford. 21 Leyburne Terrace.
Dukinfield Photographic Society, Durham City Camera Club, Eastbourne Photographic Society, .	T. H. Gordon. Maj. E. White. H. Habgood.	Curtis. D. Firth. R. Hauxwell. J. J. Hollway.	Hall Green. 1 The Avenue. Glengariff, Willingdon
Eccles Photographic Society, Everton Camera Club, Exchange Postal Negative Club,	P. Williams. T. Sanderson.	A. Atkins. C. R. Pearson. G. F.Gregor-Grant.	Road. Riversdale, The Grove. 5 Brick Grove. Aviemore, Licien Road, Tooting Bec Common, S.W.
Exeter Camera Club,	J. W. Huggins. A. Digby. Dr Vinter.	C. R. M. Clapp. H. Newson. J. Smith.	Barnfield House. The Square. 22 Dean Street, South
Gainsborough, &c., Camera Club, . Glossop Y.M.C.A. Photo Club, .	H. C. H. Allanby.	R. C. Puckering, T. W. Sharpe.	Shore. Clinton House. 14 Hollin Cross Lane.

OTHER PHOTOGRAPHIC SOCIETIES—continued.

Name of Society.	President.	Secretary.	Secretary's Address.
COUNTRY-	<u> </u>		
Gloucestershire Photo. Society, Graphic Society, Gravesend Photographic Society, Grimsby, &c., Photo. Society, Guild (Leeds), Guildford Photographic Society,	Dr Campbell. S. Kerswell. C. W. Hastings. J. Sutcliffe Earl of Onslow.	E. A. Ind. J. S. Hawker. T. L. Winnett. E. A. Matthews. R. Stockdale. A. E. Moon,	36 Northgate, Gloucester. Mutley House, Plymouth. 5 The Grove. 50 Ainslie Street. 17 Mount Preston, Leeds. 3 Sydney Terrace, Sydney
Halifax Camera Club,	J. I. Learoyd.	L. Dickinson.	Road. 3 Livingstone Street, Lee
Haltwhistle, &c., Photo. Assoc., . Hand Camera Portfolio Club, .	Dr Speirs.	D. Macadam. SurgMajor J.	Mount. London and Midland Bank. 1 Queen's Parade, Bath.
Hand Camera Postal Club,		Adcock. G. V. Myatt.	Mount Pleasant House, Leek.
Handsworth Photographic Society, Hastings and St Leonard's Photo. Society,	P. Whitehouse. G. G. Gray.	E. A. Teague. A. Brooker.	51 Linwood Road. 21A Wellington Place.
Herefordshire Photo. Society, Holmfirth Amateur Photo. Society,	Alderman Blake. Dr H. W. Williams.	C. Gethen. G. Holdsworth.	9 St Nicholas Street. Dean Bridge.
Hove Camera Club, Hull Photographic Association, Hyde Amateur Photo. Society, Idler's Camera Club,	J. Colman. F. Atkinson. C. Harry.	A. R. Sargent. J. W. Atkinson. W. H. Middleton. A. F. V. Collett.	55 The Drive. 5 Park Road. 34 Cross Street. 52 Belmont Road, Mont- pelier, Bristol.
Isle of Thanet Photo. Society, .	Rev. L. J. W. Thomson.	J. C. Goldsack.	Ramsgate.
Isle of Wight Photographic Society, Keighley, &c., Photo. Association, Kent Postal Camera Club,	Prof. J. Milne. W. Tate.	E. A. Swane. C. H. Smith. H. T. Brookes.	30 Nodehill, Newport. 110 Devonshire Street. 2 Stanley Street, Lindley, Huddersfield.
King's Lynn Photographic Society, Kingston on-Thames, &c., Photo. Society,	S. A. Gurney. Rev. G. I. Swin- nerton.	W. E. Daw. J. F. East.	Hunstanton. Uxbridge House, Kingston- on-Thames.
Lancaster Photographic Society, Lantern Slide Exchange Club, Leamington Amateur Photographic Society,	A. Garnet. Rev. E. Healy.	W. Briggs. J. S. Hawker. J. A. Hill.	21 Cheapside. Mutley House, Plymouth. Warwick New Road.
Leeds Camera Club, Leeds Photographic Society, Leicester, &c., Photographic Society, Leigh Photographic Society, Light and Truth Postal Photo. Club,	F. Rust. J. W. Addyman. T. Brown. Dr H. S. Hall.	F. G. Issott. R. Mackay. W. Murray. T. Mercer. G. H. Haycox.	62 Compton Road. 69 Albion Street. 60 Melton Road. 2 Clarence Street. St Dunstan's Crescent, Worcester.
Liverpool Amateur Photo. Assoc., . Liverpool Central Y.M.C.A. Camera Club.	Dr L. Morgan. R. Brown.	E. Simnett. R. A. Croston.	Percy Bdgs., Eberle Street. 44 Osborne Road, Tuebrook
Llandudno Camera Club, Longton, &c., Photographic Society, Loughborough Amateur Photo. Soc.,	Lord Mostyn. Dr A. Parkes. Ald. W. C. Burder.	A. E. Deacon. T. Mottershead. P. W. Crane.	Gloddaeth Street. 43 Stafford Street. 105 Toothill Road.
Louth, &c., Photographic Society, Ludlow Photographic Society, Luton Camera Club, Lyonsdown Amateur Photographic Association,	Rev. J. E. Standen. W. H. Sitwell. W. Dandy. A. Bentley.	Rev. J. E. Standen. T. Price. E. J. Bradley. F. J. Martin.	4 South Street. Gravel Hill. 4 Collingdon Street. Northdene, Station Road, New Barnet.
Manchester Amateur Photo. Society, Manchester Camera Club, Manchester Photographic Society, Manchester Y. M. C. A. Photo. Club,	J. W. Wade. H. Wooley. W. H. Machin.	F. W. Parrott. C. Dawson. C. H. Coote. J. W. Price.	8 Elm Road, Altrincham. 10 Chepstow Street. 10 Holmfield, Sale. 56 Peter Street.
Mansfield, &c., Amateur Photo. Club, Margate Cycling and Camera Club, Midland Camera Club,	Ald. Patterson. G. Cousins. H. R. Leech.	A. Adlington. A. Hobday. H. Cooper.	Westfield Lane. Flint House, Trinity Square. 19 Bearwood Road, Birmingham.
Nantwich Camera Club, Newcastle, &c., Photo. Association, Newton Heath Camera Club,	G. Crossley. J. S. B. Bell. W. Knowles.	P. Rawson. G. Hastings. J. Taylor.	97 Welch Row. Station Rood, Whitley Bay. 103 Lightbourne Road,
North Lindsey Camera Club, .	J. Henderson.	W. J. Brooke.	Moston, Manchester. 69 Frodingham Road, Scun- thorpe.
Nottingham Mechanics' Inst. Camera Club,	The Duke of Newcastle.	W. Ward.	14 Stratford Terrace.
Oldham Photographic Society, .	T. Widdop.	S. Ashton.	91 Waterloo Street.

OTHER PHOTOGRAPHIC SOCIETIES—continued.

Name of Society.	President.	Secretary.	Secretary's Address.
COUNTRY—			
Oxford Camera Club, Peterbro' Photographic Society, Photo. Survey of Warwickshire,	Sir W.J.Herschel. Dr G. Kirkwood. Sir J. B. Stone.	G. W. Norton. A. C. Taylor. Geo. Whitehouse.	13 Park Terrace. Trinity Street. 7 Wyecliff Road, Hands-
Plymouth Photographic Society, Plympton Photographic Society, Postal Camera Club,	C. H. Dymond. Dr Aldridge.	W. Grist T. H. Welks. W. R. Bland.	worth, 105 Old Town Street. Plympton House, Duffield, Derby.
Postal Photographic Club,		R. A. R. Bennett.	Walton Manor Lodge, Ox- ford.
Prescot, &c., Photographic Assoc., . Pudsey, &c., Photographic Society,	J. B. Blacklock, Dr Hunter,	W. Langley. R. Waring Taylor.	Plumbs House, Scotch Lane. Boarding House, Fulneck, near Leeds.
Redhill, &c., Photographic Society, Ripon Portfolio Club,	Dr Dufton.	W. Rowlinson. H. B. Rudd. G. W. Jones.	80 Garlands Road. 29 Westfield.
Rochdale, &c., Photographic Soc., . Rodley Photographic Society.	J. A. Bright. G. W. Bentley. Dr F. J. Bald-	H. Crossley.	36 Smith Street. Rodley, near Leeds. Tooker Road.
Rotherham Photographic Society, .	win.	H. C. Hemming-	
Scarborough, &c., Photo. Society, . Shaw Church Inst. Photo. Society, .	A. H. Robinson. Rev. J. T. Ome- rod.	H. Wanless. J. Maiden.	31 Westborough. 91 Rochdale Road.
Sheerness Camera Club,	Capt. T. E. Dexter. Dr J. A. Manton.	T. G. F. Allen.	16 High Street. 59 Melrose Road.
Sheffield & Hallamshire Photo. Soc., Sheffield Photographic Society,	F. Mottershaw. Dr Paterson.	F. Lowe. T. H. Muxlow.	41 Carrington Rd., Sheffield. 136 Steade Road, Sharrow.
Shropshire Camera Club, Southampton Camera Club,	W. E. Harding. W. B. Hill.	W. D. Haydon. G. S. Kimber.	The Schools.
Southport Social Photographic Club, Southport Y.M.C.A. Camera Club,	D. E. Benson.	G. Cross.	Oakdene, Highfield. 15 Cambridge Arcade.
Southport Y.M.C.A. Camera Club, . Southsea Amateur Photo. Society, .	S. J. Elliott. Dr C. H. Newby.	F. B. Jesper. F. J. Mortimor.	15 Cambridge Arcade. 8 Promenade, Southport. 10 Ordnance Row.
South Shields Photographic Society,	J. Davenport.	A. W. Hoare.	53 Wouldhave Street.
Stafford Photographic Society, Stereoscopic Club,	H. W. Cooper.	H, E. Burn. W. I. Chadwick. R. J. Lutas.	Totnam Villa, Stone Road. Star Hotel, Manchester.
St Michael's Photographic Club, .	Rev. H. G. Jones.	R. J. Lutas.	17 Ellesmere Avenue, Sefton Park, Liverpool.
Stockport Photo. Society, Stoneycroft Camera Club,	Col. Turner. Dr I. Thomas.	T. Gould. M. Short.	116 Chestergate. 4 Harriet Terrace, Queen's Road, Liverpool.
Sun and Company,		M. J. Harding.	Egerton House, Havelock Road, Shrewsbury.
Sunbeam Postal Photo. Club, Sunderland Camera Club,	W. P. Mail.	R. W. Copeman. H. W. Wardropper.	Henstridge, Blandford. 19 Bellevue Park.
Sunderland Photo. Assoc., .	W. Milburn.	W. E. Kieffer.	1 Stirling Road.
Sutton Photographic Club,	E. De Clifford.	A. P. Hoole. F. H. Davies.	The Willows. Hampton-in-Arden, War- wickshire.
Tewkesbury Photographic Society, Tunbridge Wells Amateur Photo- graphic Association,	Rev. G. Beebee. F. G. Smart.	J. J. Price. J. Chamberlain.	Tankerville, Cambridge Street.
Tyne Side Camera Club, Uttoxeter Amateur Photographic	A. B. Gardiner. Rev. C. F. L.	J. F. Mackie. Rev. C. F. L. Barn-	9 Rye Hill Cottages. Stramshall, Uttoxeter.
Society, Wakefield Photographic Society,	Barnwell. C. Miles.	well. E. Robson.	1 Dunelm Ter., Wakefield.
walsan Amateur Photo. Society, .	J. Hildick.	W. T. Comer.	The Arcade.
Walton Photographic Society, Warrington Photo. Society,	G. Latimer. H. Bond.	T. Bickerstaff. F. W. Knowles.	79 Rawcliffe Rd., Liverpool 77 Bridge Street.
Waterloo, &c., Photo. Society, West Bromwich Municipal Science	W. G. Eyre.	F. W. Knowles. H. J. Woodley. R. Leach.	Merton Bank, South View. 47 Birmingham Road.
School Photographic Society, Weymouth Photographic Society, .	H. J. Groves.	F. C. Mace.	105 St Mary Street.
Whitby Camera Club, . Whitstable Photographic Society, .	J. Bruce. T. E. Adams.	G. S. French. R. T. Wheeler.	1 West Terrace. Andsell House.
Wigan Camera Club,	W. Booth.	G. Rigby.	103 Diaconson Street.
Wolverhampton Camera Club, Worcestershire Photo. Survey Soc.,	H. Holcroft. J. W. W. Bund.	1	Finchfield Hill. Finstall Mount, Bromsgrove.
Wycombe Camera Club,	W. Howland.	J. Wilford.	7 High Street.
Yeadon, &c., Photo. Soc., York Photographic Society,	G. Proctor. W. Weatherill.	E. Langley. F. G. P. Benson.	Henshaw, Yeadon. 50 Scott Street.
SCOTLAND-			
Aberdeen Assoc. of Profess. Photrs.	J. Ewing.	J. S. Greenacre.	101 Rosemount Place.

OTHER PHOTOGRAPHIC SOCIETIES-continued.

Name of Society.	President.	Secretary.	Secretary's Address.
SCOTLAND-			
Aberdeen Photographic Association, Arbroath Amateur Photo. Assoc., Blairgowrie, &c., Photo. Assoc., Brechin Photographic Association, Dukinfield Photographic Society, Dundee Advertiser Photo. Club, Edinburgh Photographic Club, Edinburgh Photographic Society, Falkirk Amateur Photo. Assoc., Glasgow Eastern Amateur Photo. Association, Glasgow Photographic Association, Glasgow Photographic Association, Glasgow and West of Scotland Amateur Photo. Assoc., Greenock Camera Club, Kilmarnock, &c., Photo, Soc., Kirkcaldy Photographic Society, Leith Amateur Photo. Association, Midlothian Camera Club, Monklands Photographic Society, Paisley Photographic Society, Stereoscopic Society, Trinity College (Glenalmond) Photo. Club.	R. J. Johnstone. R. Davidson. A. Geekie. W. S. Adamson. T. H. Gordon. J. L. Scott. J. B. Johnstone. J. Burns. G. Sheriff. J. Gray. A. D. Inglis. J. Stuart. G. Wa'son. J. Wright. R. Boyd. D. Landall. A. C. Burge. Dr W. Stewart. T. A. Macfarlane. Rev. J. Crouch. Dr W. W. Stainthorpe. A. S. Reid.	J. Hood. H. B. Jamieson. J. C. Robinson. D. Firth. A. Campbell. T. Barclay. J. H. M'Culloch. W. C. Murray. C. H. Burr. G. R. Johnstone. C. Macdonald. W. Goodwin. T. Low. T. H. Milloy. S. Stewart. W. Duncan. J. Wilson.	9 Diamond Street. 94 High Street. 94 High Street. 98 High Street. 98 High Street. Hall Green. 4 Stewart Terrace, Barnhill, Broughty Ferry, N.B. 180 Dalkeith Road. 10A George Street. Arnothill Gardens. 3 Berlin Place, Pollokshields. 166 Slatefield Street. 100 West Regent Street. 3 Lynedoch Street. 45 Brisbane Street. 15 William Street. 2 Salisbury Street. 36 Charlotte Street. 97 Trafalgar Lane. Stanfield, Airdrie. 2 Charlotte Place. Viewfield, Huntly, N.B. Trinity College, Glenamond, Perth, N.B.
IRELAND—			
Photographic Society of Ireland, . Ulster Amateur Photo. Society, .	J. A. C. Ruthven. W. Gray.	W. F. Cooper. T. N. Murray.	35 Dawson Street, Dublin. The Museum, College Square, Belfast.

SCOTLAND.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN,

36 YORK PLACE, EDINBURGH. (North British Branch. Founded 1852.)

Officers. — Chairman: Peter Bos. Secretary in Scotland: J. Rutherford Hill.

Meetings. - Monthly, on third Wednesday from November to April, at 8.30 P.M. The Anniversary Meeting takes place in June.

Membership.—No Entrance Fee; Annual Subscription: for Members and for Associates in business, 21s.; for Associates and for Students, 10s. 6d.

Papers read during Session 1901-1902, and published in the "Pharmaceutical Journal."

Barrie, T. S., F.C.S.—The Titration of | Dunlop, T.—The Turpentine Test for Boracic Acid and Borax. Apr. 23. Dobbin, L., Ph.D.—Some Aspects of Pharmaceutical Education and Examination in relation to the Examination in relation to the Hill, J. R.—Copper in Nux Vomica. Future of Pharmacy. Nov. 20.

Glacial Acetic Acid. Apr. 23. Apr. 23.

Merson, G. F., F.C.S.—Collodion of Belladonna, B.P.C. Mar. 19.

— Green Plaster of Belladonna, B.P.C. Mar. 19.

B.P.C. Mar. 19.

Tocher, J. F., F.I.C.—The Scottish - Extract and Tincture of Indian Hemp. Mar. 19.

Tocher, J. F., F.I.C .- The Scottish Universities and Pharmaceutical Education. Feb. 21.

IRELAND.

PHARMACEUTICAL SOCIETY OF IRELAND,

67 LOWER MOUNT STREET, DUBLIN.

(INCORPORATED 1875.)

Officers.—President: G. D. Beggs. Registrar: A. T. Ferrall, 67 Lower Mount Street, Dublin.

Meetings. - First Wednesday in the month, at 3 P.M. The Anniversary Meeting takes place on the first Monday in October.

Membership.—Annual Subscription, One Guinea; Examination Fees: Pharmacentical, Seven Guineas; Druggist, Four Guineas.

Publications, 1901-1902. —Calendar, 1s. 6d.; Copies of Registers, 6d.

SECTION IV.

GEOGRAPHY, GEOLOGY, AND MINERALOGY.

LONDON.

ROYAL GEOGRAPHICAL SOCIETY.

1 SAVILE ROW, BURLINGTON GARDENS, W. (FOUNDED 1830.)

- Officers.—President: Sir Clements R. Markham, K.C.B., F.R.S., F.S.A. Secretary and Editor of Transactions: J. Scott Keltie.
- Meetings.—Fortnightly, from November to June inclusive, in the Theatre of the University of London, Burlington Gardens, W. The Anniversary Meeting takes place in May.
- Membership. Entrance Fee, £5; Annual Subscription, £2; Life Composition, £35 at entrance.
- Publications, 1902.—The Geographical Journal, monthly, 2s. (E. Stanford, Cockspur Street, S.W.). The Year Book for 1902.
- Papers read from April 1901 to May 1902; as also the principal Papers contributed to the "Journal." The monthly dates are those of the "Journal" in which they appeared.
- Austin, Major H. H., C.M.G.-A Journey from Omdurman to Mombasa via Lake Rudolf. June. Bryce, Rt. Hon. J., M.P.—The Import-
- ance of Geography in Education. Mar.
- Church, Col. G. E. Bolivia by the Rio de la Plata Route. Jan.
- -Interoceanic Communication on the Western Continent. A Study in Commercial Geography. Mar.
- Codrington, R.—A Voyage on Lake Tanganyika. May.
- Cornish, V., D.Sc.—Cinematographing the Severn Bore. Jan. W. G., C.E.—The
- Cox, W. G., O.E.—I...
 Water-supply of Australia from a Geographical Standpoint. May.
- Favocett, Capt. P. H.—Journey to Morocco City. Feb. Freshfield, D. W.—The Glaciers of
- Kangchenjunga. Apr.
 Gardiner, J. S., M.A.—The Formation
 of the Maldives. Mar.
- Holdich, Col. Sir T. H., K.C.I.E. -Topographic Surveying. Jan.

- Jack, R. L., LL.D.-From Shanghai to Bhamo. Mar.
- Jennings-Bramley, W. A Journey from Farafra to Siwa, 1898. Jan.
- Johnstone, Sir H., G.C.M.G. The Uganda Protectorate, Ruwenzori,
- and the Semliki Forest. Jan.

 Kozloff, Capt. P. K.—The Russian
 Tibet Expedition, 1889-1901. May.
- Lemaire, Capt. C.—The Congo-Zambezi Water-parting. Feb.
- Lewis, Rev. T .- The Ancient Kingdom of Kongo. May.
- M'Kinnon, C .- Journey from Domira Bay, Lake Nyasa, to Fife, on the
- Tanganyika Plateau. May.

 Markham, Sir C., K.C.B.—Presidential Address. Nov.
- dential Address. Nov.
 -The Voyage Southward of the
 Discovery. III. The Discovery
- and the Relief Ship. Apr. Maunsell, Major F. R., R.A.—Travels in Central Kurdistan. May.
- Mill, H. R., D.Sc.—Oceanographical Research in the Atlantic. Mar.

Mill, H. R., D.Sc.—The Voyage Southward of the Discovery. I. London

to Madeira. Apr.

Murray, G., F.R.S.—The Voyage
Southward of the Discovery. II. From Madeira to the Cape. Apr.

Murray, Sir J., K.C.B.—Deep-sea Deposits and their Distribution in the Pacific Ocean. With Notes on the Samples collected by s.s.

tse Kiang to the China Sea. June. Peucker, Dr K.—Prof. Cvijić on the Structure of the Balkan Peninsula. Selby, P. H.-Journey to the Kafue and Zumbo Districts. May. Sykes, Major P. M.-A Fourth Journey

Parsons, W. B., C.E.—From the Yaug-

in Persia, 1897-1901. Feb. Toll, Baron E. von.—The Russian Polar Britannia, 1901. June. Expedition in the Sarya. Ap Zwemer, Rev. S. M., D.D.—Three Journeys in Northern Oman. Jan. Expedition in the Sarya. Apr.

HAKLUYT SOCIETY.

1 SACKVILE ROW (ROYAL GEOGRAPHICAL SOCIETY).

Officers.—President: Sir C. R. Markham, K.C.B., F.R.S. Hon. Secretary: B. H. Soulsbey, Map Room, British Museum, W.C. Agent: Quaritch, 15 Piccadilly, W.

Meetings. -The Anniversary Meeting takes place in January.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publications during 1901-1902.-The Voyage of Mendaña to the Solomon Islands, 1568. Edited by Lord Amherst of Hackney and Basil H. Thomson. 2nd Series, Vols. VII., VIII. The Journey of Pedro Teixeira from India to Italy by Land, 1604-1605. Edited by W. F. Sinclair and D. F. Ferguson, Vol. IX. The Portuguese Expedition to Abyssinia, 1541, as narrated by Castanhoso and Bermudez. Edited by R. S. Whiteway, Vol. X. Principal Navigations of the English Nation, by R. Hakluyt, 1598-1600, Vol. I. Edited by Sir C. R. Markham, K.C.B., and C. R. Beazley, Vol. XI.

GEOLOGICAL SURVEY OF THE UNITED KINGDOM,

28 JERMYN STREET, LONDON, S.W.

Director: J. J. H. Teall, M.A., F.R.S.

History.—The Geological Survey was founded in 1832 as a branch of the Ordnance Survey; it became a separate establishment in 1845. It comprises the Geological Survey of Great Britain and of Ireland. The Survey is under supervision of the Director at the Head Office in Jermyn Street, London. The Office for the Survey in Scotland is at Sheriff Court Buildings, Edinburgh, and that in Ireland at 14 Hume Street, Dublin.

The objects of the Survey are to prepare detailed geological maps, sections, and descriptive memoirs, illustrating the geological structure, petrography, palæontology, mining and agricultural resources, conditions of water-supply, and other economic and sanitary questions throughout the British Islands. See Scotland and Ireland.

GEOLOGICAL SURVEY OF ENGLAND AND WALES.

Office: The Museum of Practical Geology, Jermyn Street, London.

Assistant to the Director: H. B. Woodward, F.R.S.

The general map of the country is published on the scale of one inch to a mile, divided into 258 sheets and quarter-sheets of the Old Series of Ordnance Maps. all of which have now been published. Besides the sheets that express the structure and boundaries of the solid rocks below the surface, another series on the same scale is prepared, to show the distribution of the superficial deposits. This "Drift Map" was not begun until about half of the other series of maps had been surveyed. One hundred and nineteen sheets and quarter-sheets of it have been issued; but the survey of the overlying formations will be prosecuted until the whole country has been surveyed, so as to afford materials for a complete map of the soils and sub-soils of England and Wales. The prices of the one-inch maps are 1s. 6d. to 3s. for quarter-sheets, 4s. to 8s. 6d. for sheets. The results of the latest surveys in the middle and south of England and in South Wales are published on the New Series of Ordnance Maps; and of these thirty-eight sheets have been issued, showing the solid rocks and drift deposits, at prices from 1s. 6d. to 8s. 6d.

In the mineral districts of the Northern Counties, a number of maps on the scale of six inches to a mile have been engraved and published; and of the work in other districts which has been surveyed on the six-inch maps MS. copies are kept at the Office for public reference. The prices of the published six-inch maps are 4s. to 6s.

Horizontal sections on the scale, vertical and horizontal, of six inches to a mile, are published to explain the geological structure of the country. Of these 148 sheets have been published; the price of each sheet is 5s.

Vertical sections, usually on the scale of forty feet to one inch, have been prepared, to show the succession of strata in mineral-fields and in a few localities of special geological interest, such as the Coasts of Dorsetshire, East Yorkshire, and the Isle of Wight. The price of each sheet is 3s, 6d. Eighty-six are published.

An Index Map in fifteen sheets, on the scale of one inch to four miles, has been published, printed in colours. The cost of each sheet is 2s. 6.l., and of the whole map, 37s. Explanatory Memoirs are issued to accompany the sheets or quarter-sheets of the one-inch map, or to describe special Districts or Formations. Of these 92 have been published. They vary in price from 2d. to 2 guineas, according to their size and the number of illustrations.

The Publications of the Survey during 1901 were:—

One-inch Maps.—New Series, Sheets 261 and 262 in one map (Bridgend), drift and solid editions.

One-inch to four-mile Maps. - Sheets 8 and 11 revised.

Vertical Section.—Sheets 84-86 (Sections in the South Wales and North Staffordshire Coal Fields).

Memoirs.—Summary of Progress of the Geological Survey of the United Kingdom for 1900, pp. vii. 221, price 1s.

Guide to the Geology of London, by W. Whitaker, 6th edition, pp. x. 102, price 1s.

MUSEUM OF PRACTICAL GEOLOGY,

JERMYN STREET.

Officers.—Director: J. J. H. Teall, M.A., F.R.S. Curator: F. W. Rudler, F.G.S.

The Museum was originally established in Craig's Court, Charing Cross, and the collections consisted mainly of specimens obtained by the Geological Survey and by the Commissioners appointed to ascertain a suitable stone for the construction of the new Houses of Parliament. The present Museum was

opened by the late Prince Consort in 1851. It contains a large collection of British building stones and ornamental stones, such as marbles and granites; a collection of minerals, with special reference to those of economic value; a series of geological models; a collection of British fossils, arranged in ascending stratigraphical order; and a petrographical gallery for the display of rock-Numerous examples of the Survey Maps are hung round the Museum. A Handbook to the Museum has been issued, price 6d.

There is a Library of about 20,000 volumes, mainly on Geology, Mining, Mineralogy, and Palæontology, which may be consulted by any person interested in those subjects. The very extensive collection of Geological Photographs, formed by a Committee of the British Association, has been deposited in this

Library.

New specimens are being added daily to the mineralogical, palæontological, and petrographical collections.

GEOLOGICAL SOCIETY OF LONDON,

BURLINGTON HOUSE, PICCADILLY, W.

(Founded 1807; Incorporated 1826 by Royal Charter.)

- Officers.—President: Prof. C. Lapworth, LL.D., F.R.S. Hon. Secretaries: R. S. Herries, M.A.; Prof. W. W. Watts, M.A. Assistant-Secretary: L. L. Belinfante, M.Sc., Burlington House.
- Moetings.—Fortnightly, from November to June inclusive. The Anniversary Meeting takes place in February.
- Membership.—Entrance Fee, £6, 6s.; Composition Fee, £35; Annual Subscription, £2, 2s.
- Papers read during Session 1901-1902. Abstracts of all are published about a week after reading, and most subsequently appear in the "Quarterly Journal," price 5s. per No.
- Ami, H. M.-The Great St Lawrence Champlain Appalachian Fauni, and some of the Geological Problems
- connected with this. June 18.

 Arber, E. A. N.—On the Clarke
 Collection of Fossil Plants from
 New South Wales. Nov. 6.

Blake, Rev. J. F .- On a Remarkable Inlier among the Jurassic Rocks of Sutherland. Mar. 26.

Bonney, Prof. T. G .- On the Relation of certain Breccias to the Physical Geography of their Age. Feb. 5. Alpine Valleys in Relation to

Glaciers. June 11.

- Boyd-Dawkins, Prof. W.—The Red Sandstone Rocks of Peel (Isle of Man). May 28.
- The Carboniferous, Permian, and Triassic Rocks under the Glacial Drift in the North of the Isle of Man. May 28.

Callaway, C.—A Descriptive Outline of the Plutonic Complex of Central Anglesey. June 11.

Codrington, T.—Note on a Submerged and Glaciated Rock Valley in

Caermarthenshire. Nov. 6. Coomara-Swamy, A. K.—The Crystalline Limestones of Ceylon. Mar.

- The Point de Galle Group, Wollastonite-Scapolite, Ceylon:
- Gneiss. June 18.

 Cowper, F. R.—Notes on the genus Lichas. Nov. 20.
- Davison, C.—The Carlisle Earthquakes of July 9 and 11, 1901. Apr. 16.
- The Inverness Earthquake of Sept. 18, 1901, and its Accessory Shocks. Apr. 16.
- Donald, Miss J.—On Proterozoic Gasteropoda. Mar. 12.

 Diverryhouse, A. R.—The Glaciation of Teesdale, Weardale, and the Tyne Valley. Jan. 8. Tyne Valley. Jan. 8.

 Ekholm, Dr N.—Some Remarks on the
- Meteorological Conditions of the Pleistocene Epoch. Nov. 20. T.—Coal English, Lt.-Col.

Petroleum Deposits of European Turkey. Dec. 18.

Flett, J. S.—Note of a Preliminary Examination of the Ash that fell on Barbados, after the Eruption at St Vincent. May 28.

Garwood, E. J.—Origin of some "Hanging Valleys" in the Alps and Himalaya. June 11.

Greeney, E .- Origin and Association of the Jaspers of the S.E. of

Anglesey. Apr. 30.
m, Prof. T. T.—Sequence of
Cambrian and Associated Beds of Groom, Prof. the Malvern Hills. Dec. 4.

- On a New Genus belonging to the Leperditiadæ, from the Cambrian Shore of Malvern. Dec. 4. Hill, Rev. E.—The Matrix of the Suffolk Chalky Boulder Clay.

Feb. 5.

Jukes-Browne, A. J.—On a Dee Boring at Lyme Regis. Mar. 26. A. J.—On a Deep

Kendall, P. K.—A System of Glacier-Lakes in the Cleveland Hills.

Mennell, F. P .- The Wood's Point Dyke (Victoria, Australia). Apr.

Preller, C. S. du R .- On Pliocene Glacio-Fluviatile Conglomerates in Subalpine France and Switzerland. May 14.

Reynolds, Prof. S. H.—The Fossili-

ferous Silurían Beds and Associated Igneous Rocks of the Clogher Head District (Co. Kerry). Jan. 22.

Reynolds, Prof. S. H., and A. Vaughan. -On the Jurassic Strata cut through by the G. W. R. Relief Line between Wootton Basset and Fitton. June 18.

Rutley, F.—On some Altered Siliceous Sinter from Builth. Nov. 6.

Sollas, Prof. W. J .-- A Process for the Mineral Analysis of Rocks. Jan.

Spencer, Prof. J. W. W.—Geological and Physical Development of Dominica. Dec. 18.
- Trinidad. Dec. 18.

Steart, F. A .- Overthrusts and other Disturbances in the Braysdown Colliery, Somerset. May 14.

Stocks, H. B.—On the Origin of Certain Concretions in the Lower Coal Measures. Nov. 20.

Strahan, A .- On the Origin of the River System of South Wales and its connection with that of the

Severn and Thames. Feb. 26.

Thomas, H. H.—The Mineralogical Constitution of the Finer Material of the Bunter Pebble-Bed of the West of England. Apr. 30.

Walford, E. A. On some Gaps in the

Lias. Feb. 26.

GEOLOGISTS' ASSOCIATION,

UNIVERSITY COLLEGE, GOWER STREET, W.C. (FOUNDED 1858.)

Officers.—President: H. W. Monckton, F.L.S., V.P.G.S. Hon. Treasurer: R. H. Holland, F.G.S. Hon. Secretaries: Percy Emary, 12 Alwyne Square, Canonbury, N.; Miss M. C. Foley, 33 Wimpole Street. Hon. Editor: C. G. Cullis, D.Sc.

Meetings.—First Friday in each month at 8 p.m., from November to July inclusive. The Anniversary Meeting takes place in February.

Membership. —Annual Subscription, 10s.

Papers read during Session 1901-1902, and published in "Proceedings," issued five times in the year, price 1s. to Members, 1s. 6d. to Non-Members (Stanford).

Andrews, C. W .- Notes on a Recent | Visit to Egypt. Dec. 6.

Harmer, F. W.-A Sketch of the Later Tertiary History of the Eastern

Portion of East Anglia. July 4. Hinton, M. A. C., and G. White. Note on the Occurrence of Microtus intermedius in the Pleistocene Deposits of the Thames Valley. June 6.

Miers, Prof. H. A .- Klondike, its Geology and Mining. Apr. 4.

Rowe, Dr A. W.—The Zones of the White Chalk of the English Coast. III. Devonshire. Mar. 7.

Watts, Prof. W. W.—The Geology of Charnwood Forest. May 2.

White, H. J. O .- On a Peculiarity in the Course of Certain Streams in the London and Hampshire Basins. June 6.

Whitaker, W .- A Dozen Years of London Geology (Eocene, Chalk, and Underground). Feb. 7.

MINERALOGICAL SOCIETY.

(With which is united the Crystallogical Society.) (FOUNDED 1876.)

- Officers. President: Dr H. Müller, F.R.S. General Secretary: L. Fletcher, M.A., F.R.S., 36 Woodville Road, Ealing, W.
- Meetings. Four times a year (by kind permission), in the apartments of the Geological Society, Burlington House, London, at 8 P.M. The Anniversary Meeting will take place in November.
- Membership, —Entrance Fee, One Guinea; Annual Subscription, One Guinea; Life Composition. Fifteen Guineas.
- Publications,—Mineralogical Magazine and Journal of the Mineralogical Society, No. 60 (1902), 5s. each. (Simpkin & Co.)
 - Papers read during Session 1901-1902. Those published in the "Mineralogical Magazine" are indicated.
- Hutchison, Ph. D.—On M.A. Meigen's Method of Discriminating
- Calcite and Aragonite. June 10.

 Miers, Prof. H. A., M.A., F.R.S.—On
 the Occurrence of Gold in the
 Klondike; Results of a Visit in 1901. Nov. 12.
- Attempts to reproduce Interby Three-colour ference-effects
- Printing. Feb. 4.

 r, G. T., M.A., F.G.S.—The Identity of Kilbrickenite with Geocronite; Analyses of Miersite, Marshite, and Copper Pyrites. Feb. 4.
- The Petrology of British East Africa; Notes on the Rock-Speci-mens collected by Professor J. W. Gregory and Sir Harry Johnston respectively. Mar. 25.
- On Volcanic Dust fallen at Barbados. June 10.
- -and A. K. Coomára-Swámy, D.Sc.,

- F.L.S.-A New Sapphirine-like
- Mineral from Ceylon. Feb. 4.

 Prior, G. T., M.A., F.G.S., and L. J.

 Spencer, M.A., F.G.S.—On the
 Hornsilvers. Feb. 4.
- Smith, G. F. H., M.A., F.G.S.—On the Crystalline Forms of Krennerite. June 10.
- On the Gnomonic Projection. June 10.
- Solly, y. R. H., M.A., F.G.S.—On Baumhauerite, a New Mineral, Dufrenoysite and Hyalophane, from the Binnenthal.* Nov. 12.
- On the Crystalline Forms of Liveingite, June 10.

 Spencer, L. J., M.A., F.G.S.—On the Non-existence of Kalgoorlite and
- Coolgardite as Mineral Species. June 10.
- Warth, H., D.Sc.—On Gibbsite from the Palni Hills in Southern India. (Communicated).* Nov. 12.

PALÆONTOGRAPHICAL SOCIETY.

(Founded in 1847 for the Publication of Monographs on British Fossils.)

Officers. - President: Dr H. Woodward, F.R.S. Hon. Secretary: A. S. Woodward, LL.D., F.R.S., Natural History Museum, S.W. Annual Subscription, 21s.

Meetings. - The Annual Meeting takes place in June.

- The Palzontographical Society publishes yearly a Volume on Palzonto-Contents of Volume LV. issued for 1901, graphical Subjects. price £1, 1s. (Dulau & Co.), contains the following:—
- Foord, Dr A. H.—The Carboniferous Cephalopoda of Ireland. Part IV.
- Hind, Dr W.—The Carboniferous Lamellibranchiata. Vol. II. Part I.
- Elles, Miss, and Miss Wood.—British | Traquair, Dr R. H.—Ganoid Fishes
 Graptolites. Part I. of British Carboniferous Formations.-Palæoniscidæ. Part I. No.
 - Woods, H.-The Cretaceous Lamellibranchia. Part III.

COUNTRY.

CORNWALL, ROYAL GEOLOGICAL SOCIETY OF.

PUBLIC BUILDINGS, PENZANCE. (Founded 1814.)

Officers. - President: C. Le Neve Foster, F.R.S. Secretary and Curator: J. B. Cornish, Penzance.

Meetings. - When called by the Council. The Anniversary Meeting takes place in November.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publication.—Transactions, Vol. XII., Part 7, 2s. 6d.

Papers read at the Meeting held on November 13, 1901. and published in the "Transactions."

Collins, J. H.—Notes on the Fossils. Foster, C. Le N .- President's Address,

Hill, J. B.—The Plutonic Rocks of

Cornwall in their Relation to the Mineral Oils.

Fox, H.—Distribution of Fossils on the North Coast of Cornwall-Lizard Rocks. (Second Paper.) Nov. 13, 1901.

LIVERPOOL GEOGRAPHICAL SOCIETY.

14 HARGREAVES BUILDINGS, 5 CHAPEL STREET.

(Founded 1891: Incorporated 1899.)

Officers. - President: Right Hon. the Earl of Derby, K.G., G.C.B. Secretary: Staff-Commander E. C. D. Phillips, R.N., F.R.G.S.

Meetings .- On alternate Thursday evenings, at 8 P.M., from October to April. Special Meetings are arranged for when necessary. The Annual Meeting is in May or June.

Membership.—No Entrance Fee; Annual Subscription: Members, 21s.; Associates, 10s. 6d.

Publications during 1902. - Transactions and Annual Report (for 1901), 1s.

Papers read during Session 1901-1902, and published in the " Transactions."

Blathwayt, Present. Mar. 13.

М., F. R. G.S. — The Great Siberian Railroad. Jan. 16.

Coleman, F.—The Southern Philippines. Mar. 27.

Gleadell, W. H., F.R.G.S.—Mexico: The Hand of Yesterday and To-

morrow. Oct. 31.
Gulston, A.—Baltic and Arctic Voyages
of the "Ermack" Ice-breaker. Feb.

Johnstone, Sir H., G.C.M.G., K.C.B. -The Uganda Protectorate, Ruwenzori and the Semliki Forest. Feb. 19.

R. - Egypt, Past and | Lemaire, Capt. C.-The Sources of the Congo. Dec. 31.

Leonard, Maj. A. G.-Life and Work in Southern Nigeria. Oct. 17.

Little, Mrs A.—Life and Marvels in Western China. Nov. 7.

Moleno, Dr F. P.—Argentine Land-scapes. Nov. 14.

Nicholas, Rev. T. F., M.A., F.R.G.S.— The Glories of Northern Italy. Nov. 28.

Prichard, H .- Two Thousand Miles through Patagonia. Dec. 12. Smith, Rev. H., M.A., F.R.G.S.—The

Marvels of the Nile. Dec. 27. Wells, S., F.R.G.S.-Dalmatia and Montenegro. Jan. 30.



LIVERPOOL GEOLOGICAL SOCIETY.

ROYAL INSTITUTION, COLQUITT STREET. (FOUNDED 1859.)

- Officers.—President: C. C. Moore, F.I.C., D.Sc., F.R.S. Hon. Secretary: W. A. Whitehead, B.Sc., 24 Balliol Road, Bootle.
- Meetings.—Second Tuesday in each month, from October to April inclusive, at 7 p. m. The Anniversary Meeting takes place in October.
- Membership.—No Entrance Fee; Annual Subscription, 21s. for City Members, 10s. 6d. for Country Members.
 - Publication.—Proceedings, Part 1, Vol. IX., Session 42 (1901-1902), 3s. 6d.

Papers read during Session 1901-1902.

- Beasley, H. C.—Description of Two Footprints and Notes on their Relation to Cheirotherium Storetonense. Apr. 8, 1902.
- tonense. Apr. 8, 1902.

 Bonney, Prof. T. G., D.Sc. Fragmental Rocks as Records of the Past. Mar. 11.
- Cope, T. H.—The Titaniferous Ironsand of Porthdialleyn. Feb. 11.
- Dickson, E., F.G.S.—Notes on Moraines and other Superficial Deposits in the English Lake District. Jan. 21.
- Edwards, W., F.G.S.—Note on Drift in

- the Neighbourhood of Crewe. Dec. 10.
- Lomas, J., F.G.S., and Whitehead, W. A., B.Sc.—Description of some
- Antarctic Rock Specimens. Apr. 8.

 Moore, C. C., F.I.C.—The Study of
 Volume Composition of Rocks and
 its Importance to the Geologist.
 (Presidential Address.) Oct. 8.
- (Presidential Address.) Oct. 8.

 Reade, T. M., C.E., F.G.S.—The Glacial and Post-Glacial Features of the River Lune and its Estuary, with List of Foraminifera by Joseph Wright, F.G.S. Nov. 12.

MANCHESTER GEOLOGICAL SOCIETY,

QUEEN'S CHAMBERS, 5 JOHN DALTON STREET.

(FOUNDED 1838.)

Officers.—President: W. S. Barrett, J.P. Hon. Secretaries: W. Saint, H.M.I.M.; J. Tonge, jun., F.G.S.

Meetings.—Second Tuesday in month from October to June. The Anniversary

Meeting is held in October.

Membership.—Annual Subscription. 20s.

Publication .- Transactions, monthly, 2s. each part.

Papers read during Session 1901-1902.

- Aspinall, T.—The Accumulation of Solid Matter in Steam Boilers and how to Minimise the troubles caused thereby. (Discussion.) Nov. 8.
- Barnes, J., F.G.S.—On a Metamorphosed Limestone at Peak Forest. Feb. 7.
- On a Change in the Mineral Deposit in a Stream passing through the Yoredale Shales near Mamtor. Mar. 11.
- Further Observations on the

- Changes brought about by the Intrusion of Igneous Matter into the Limestone at Peak Forest, Apr. 4.
- Dickinson, J., F.G.S.—On Prevention of Accidents by Falls of Roofs and Sides in Coal Mines. Jan. 9.
- Blackpool and the Subsoil. Apr. 4.
 Lead mining Districts of the North of England and Derbyshire. Nov.
- Grundy, J.—On Indian Mines and Mining People. Mar. 7.



Hutchinson, J. W.—On Experiments | Pickstone, W.—On the Coal Measures with Duplicate Ventilating Fans | in the Parishes of Prestwich and at Bamfurlong Colliery. June 6.

Kinahan, G. H., M.R.I.A.—On some Laccolithic Hills. Feb. 7.

Pickstone, W.—On the National Interest in the future Coal Supply. May 7. in the Parishes of Prestwich and Bury. Dec. 6.

Tonge, A. J .- On the Erection and a few Tests of a Steam Turbine, Ventilating Fan, and Generator. Hulton Collieries. May 13.

MANCHESTER GEOGRAPHICAL SOCIETY,

16 ST MARY'S PARSONAGE.

Officers. - President: H.R.H. the Prince of Wales, K.G. Secretary: E. Sowerbutts, F.R.G.S., 16 St Mary's Parsonage.

Meetings.—Every Thursday from October to June; after June, at various times. The Anniversary Meeting is held in May.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publications.—Journal, issued quarterly; Geography, monthly.

Papers read during Session 1901-1902, and published in the "Journal" of the Society.

Ainsworth, J., C.B. etc.—Ukamba, Leech, Sir B. T.—Journey round the (British East Africa). Oct. 22. World. Dec. 3. Chinn, Rev. J.-Boca des Toro

Connn., Rev. J.—Boca des Tor (Central America). Mar. 4. Cocks, J.—Barbados. Feb. 28. Greenwood, Capt. W., F.R. Met. Soc.— Life of a Wave. Nov. 19. Grundy, S.—Ashanti. Oct. 22. Gulstone, A.—S.S. "Ermack," Ic Breaker. Oct. 8. Hunlon, Rt. Rev. Richen.—"Unanda

Hanlon, Rt. Rev. Bishop .- "Uganda" and the Way Thither. Dec. 10.

Harper, W.—Glasgow and the Exhibition. Nov. 5.

Heywood, Rev. J. W .- Life in China. Nov. 26.

Higinson, Rev. M., M.A.—Palmyra. Feb. 4. Mar.

Inskipp, P. S. - Rhodesia.

Lamington, Rt. Hon. Lord. - Mexico. Mar. 25.

Leech, W. B.—Mogador. Feb. 18. Martin, H. C.—Killarney. Feb. 11.

Midgley, W. W., F.R.M.S.—Carboni-

ferous Limestone. Oct. 29.

Reed, J. H.—With Lord Roberts to
Pretoria. Dec. 20.

Rees, Rev. F. A.—North of Italy. Dec.
17.

Spedding, Rev. T. P. - Tour in Hungary. Mar. 11.

Smith, J. R.—Naples. Oct. 15.

E., F.R.G.S. - North Sowerbutts. German Lloyd. Jan. 21.

Stewart, R.-Visit to the North of Ireland. Nov. 5.

Thompsone, M. W.—Tour in the Channel Islands, Jan. 28.
Thomson, J., F.R.G.S.—Climate and Artesian Waters of Australia. Mar. 25.

TYNESIDE GEOGRAPHICAL SOCIETY,

GEOGRAPHICAL INSTITUTE. BARRAS BRIDGE, NEWCASTLE-ON-TYNE.

Officers.—President: The Most Noble the Duke of Northumberland, K.G. Secretary: Herbert Shaw, B.A., F.R.G.S.

Meetings.—On Tuesdays at 7.30 P.M., from October to March. Branch Meetings are held at South Shields. The Anniversary Meeting is held in October.

Membership.—No Entrance Fee; Annual Subscription: Gentlemen, 10s.; Ladies, 5s.

Publication during 1902. - Journal.

Lectures delivered during Session 1901-1902.

Berry, Rev. J.—New Zealand. Oct.

11.

Churchill, W., M.P.—The War as I saw it. Nov. 9.

Cockburn, Sir J., K.C.M.G.—The Australian Commonwealth. Mar.

11.

Gibbons, Major J. H.—A Journey through Central Africa. Mar. 27.

Gulston, A.—Ice-breakers. Jan. 15.

Holdich, Col. Sir J. H., K.C.I.E.—

The Indian Borderland. Dec. 11.

Pease, A. E., M.P.—Somaliland. Feb.

YORKSHIRE GEOLOGICAL AND POLYTECHNIC SOCIETY,

HOPTON, MIRFIELD.

Officers.—President: Marquis of Ripon, K.G., F.R.S. Hon. Secretary: Rev. W. L. Carter, M.A., F.G.S., Hopton, Mirfield.

Meetings.—Three General Meetings held at intervals. The Anniversary Meeting takes place in November.

Membership.—No Entrance Fee; Annual Subscription, 13s.

Publication during 1901.—Proceedings, Vol. XIV. Part 2, price 5s.

Papers read during Session 1901-1902.

Carter, W., M.A., F.G.S.—The Yoredales and their Southern Equivalents in Yorkshire. July 27.

Dwerryhouse, A. R., B.Sc., F.G.S.—
Report of the Committee of the
Underground Waters of Ingleborough. Nov. 14.

borough. Nov. 14.

Hind, W., M.D., F.G.S.—On the
Carboniferous Rocks of the Penuine
Chain. Nov. 14.

Chain. Nov. 14.

Hughes, Prof. T. M'K., M.A., F.R.S.—
Ingleborough. Part II. Stratigpaphy. Nov. 14.

Middlemiss, C. S., B.A., F.G.S.—On the Geology of the Himalayas. June 28.

Postlethwaite, J., F.G.S.—On the Geology of the Keswick District. June 28.

Stather, J. W., F.G.S.—Notes on a Glacially Striated Surface near Sandsend Nov. 14

Sandsend. Nov. 14.

Wellburn, E. D., F.G.S., L.R.C.P.—

On the Genus Cularanthus, with a
Restoration of the Fish, and its
Geographical Distribution.*

SCOTLAND.

GEOLOGICAL SURVEY OF THE UNITED KINGDOM.

Office in Scotland: Sheriff Court Buildings, Edinburgh. Assistant to the Director: John Horne, LL.D., F.R.S.L. & E.

The Survey of Scotland was begun in 1854 as part of that of Great Britain. Ordnance six-inch maps being available, they have been used throughout the whole of the mapping in Scotland, and those which show the coal-fields and other mining tracts have been engraved and published, to the number of 126. The work is reduced from the six-inch field-maps to the one-inch sheets of the Ordnance Survey, of which sixty-four have now been published, representing nearly the whole of the country south of the Highland Border, with parts of the Northern and Eastern Highlands. The size of these one-inch maps is smaller than that of the full sheets of the English maps, and their price ranges from 4s. to 6s. Nine Horizontal Sections, price 5s., seven Vertical Sections, price 3s. 6d., and twenty-four Memoirs explanatory of sheets have been published, and several are far advanced in preparation. The work of the Survey is now concentrated upon the Highlands and Western Isles, and many interesting and important results have been obtained.

The Publications of the Survey during 1901 were:-

One-inch Maps. - Sheets 21 (Northern part of Arran, part of Bute, and the Cumbraes) and 38 (Districts of Loch Lomond, Loch Katrine, and Callander).

EDINBURGH GEOLOGICAL SOCIETY.

5 ST ANDREW SQUARE. (FOUNDED 1834.)

- Officers. President: J. G. Goodchild, F.G.S., F.C.H. Geological Survey. Secretary: James Currie, M.A., F.R.S.E., Larkfield, Golden Acre, Edinburgh. Assistant Secretary: J. A. Johnston, 7 Annandale Street, Edinburgh.
- Meetings.—Third Thursday in each month, from November to April, at 8 P.M. The Anniversary Meeting takes place in November.
- Membership. Entrance Fee, 10s. 6d.: Annual Subscription, 12s. 6d.

Papers read during Session 1901-1902, and published in the "Transactions."

- Goodchild, J. G., F.G.S.—The Scottish Ores of Iron.
- Note on some Remarkable Pseudomorphs from an Ecuptive Rock in Ayrshire.
- Further Notes on Rocks Recently
- exposed in Edinburgh.

 Horne, J., Ll.D., F.R.S.—Obituary
 Notice of the late Mr James W.
- Kirkby.

 Kendall, P. F., F.G.S., and H. B.

 Muff, B.A.—On the Evidence for Glacier Dammed-Lakes on the Cheviot Hills.
- Mackie, W., M.A., M.D.—The Occurrence of Covellite in Association

- with Malachite in the Sandstone of
- Kingsteps, Nairn.

 Mackie, W., M.A., M.D.—Traces of
 Heavy Metals in the Sandstones of the Moray Firth.
- The Saltness of the Sea in Relation to the Geological Age of the Earth.
- Milne, J., M.A., LL.D.—Old Red Sandstone in Aberdeen and Neighbourhood.
- Strachan, J.—Notes on some Agates from Pentland Hills (Hillend)— I. Dendritic Deposit in Cracks; II. Colouring Matter.

ROYAL SCOTTISH GEOGRAPHICAL SOCIETY,

QUEEN STREET, EDINBURGH. (FOUNDED OCT. 1884.)

Patron.-H.M. The King.

- Officers. President: Sir John Murray, K.C.B. Secretary: Fred. Bailey, Lieut. Col. (late) R.E., 7 Drummond Place.
- Meetings of the Society held monthly, from November to May inclusive, in Edinburgh and Glasgow. The Anniversary Meeting takes place in November. There are also periodical meetings in Dundee and Aberdeen.
- Membership.—Annual Subscription, One Guinea.

List of Papers read during Session 1901-1902.

- Austin, Major, C.M.G.—Through the Sudan to Mombasa via Lake Rudolf. June.
- Bartholomew, J. G., F.R S.E.—The Philosophy of Map-making, and
- the Evolution of a Great German Atlas. Jan.
- Bartholomew, J. G., F.R. S.E. A Plea for a National Institute of Geography. Mar.

Bidlingmaier, Dr T .- The Work and | Equipment for Earth Magnetism and Meteorology of the German South Polar Expedition, and Suggestions for International Cooperation during the time of the South Polar Research 1901-2. Sept.

Branford, V. V., M.A.-The Philadelphia Commercial Museum. May

Bruce, W. S., F.R.S.G S. - The German South Polar Expedition. Sept.

- The Scottish Antarctic pedition. Nov.

Bryant, Rev. J .- The Making Australia. Mar.

Bryce, Rt. Hon. J., M.P.—The Importance of Geography in Education.

Capenny, S.H.F.—Railway Schemes in Relation to British Central Africa. July.

The Nushki-Sistan Route from Quetta to Eastern Persia. Apr.

Cash, C. G., F.R.S.G.S.—The First Topographical Survey of Scotland.

The First English Map of India. Feb.

Dingelstedt, V. - Anthropological Investigations in the Alps and Caucasus. Nov.

- Fauna of Switzerland in Relation to the Glacial Period. May.

- France and the Penetration of the Central Sudan. Part I. Aug.

- France and the Penetration of the Central Sudan. Part II. Sept.

Gazert, Dr H .- The Bacteriological Work of the German South Folar

Expedition. Sept. Geddes, Prof. P.—Note on Draft Plan for Institute of Geography. Mar.

— Edinburgh and its Region, Geo-graphic and Historical. June. Geikie, Prof. J., F.R.S.—Mountains. Part I. Sept. — Mountains, Part II. Feb.

Gibson, H .- The Boundary Dispute between Chile and Argentina. Feb.

Gormaz. F. V.—Depressions Elevations of the Southern Archipelagoes of Chile. Jan.

Hardy, M .- Botanical Geography and the Biological Utilisation of the Soil. May.

Herbertson, Dr A. J.—Geography in the University. Mar. Notes on Geographical Education.

May. Johnston, Sir H. H., G.C.M.G.—The Protectorates of Great Britain in

Tropical Africa. Feb. Lagden, Sir G.—Basutoland and the Basutos. July.

Lemaire, Capt. C.-On the Congo. Oct.

Lewis, Rev. T .- Itineraries of Portuguese Congo. Nov.

Markham, Sir C. R.—Address to

Royal Geographical Society. July.

Mill, Dr H. R.—Presidential Address

to the Geographical Section of the British Association. Oct.

Macdonal, donal, A., M.A.—Acro Westralian Desert. Jan. M.A.—Across

Newbigin, Miss M., D.Sc.—Sir John Murray's Scheme for Investigation of the Natural History of the Forth Valley. Dec.

Niven, W. N.—Distribution of Forest Trees in Scotland as shown by the Investigation of Post-Glacial Deposits. Jan.

Nordenskjold, O .- Swedish Antarctic Expedition. June. Reclus, E. - Teaching of Geography.

Aug.

Ronaldshay, Earl of .- A Journey from Quetta to Mashhad by the New Nushki-Sistan Trade Route. Apr. Smith, W. G., D.Sc.—Botanical

Survey of Scotland. Mar.

Speak, S. J., A.R.S.M.—The Gold
Producing Region of West Africa.

Talmage, Prof. J. E., Ph. D., F.R.S.E.—

The Great Salt Lake. Dec. Whitehouse, Comm. B., R.R.N.—To the Victoria Nyanza by the Uganda Railway. Apr.

GEOLOGICAL SOCIETY OF GLASGOW,

207 BATH STREET, GLASGOW. (Founded 1858.)

Officers. -- Hon. Secretary: James Barclay Murdoch, F. R. Ph.S. E., Capelrig, Newton-Mearns, Renfrewshire.

Meetings.—Second Thursday in each month, from October to May inclusive, at 8 P.M. The Anniversary Meeting takes place in November.

> Membership.—No Entrance Fee; Annual Subscription, 10s. Publication. — Transactions, Vol. XII. Part 1, 5s.

Papers read before the Society during Session 1901-1902.

Anderson, J.—Antarctic Speculations. May 8.

Blair, M.—The Physical Geography

and Geology of Egypt. May 29. Goodchild, J. G., F.G.S.—The Scottish Lower Carboniferous Rocks. Oct.

W., F.G.S.—On a Volcanic Gunn. Series Associated with the Schists of North Glen Sannox, Arran. June 11.

Kidston, R., F.G.S.—The More Important Groups of Carboniferous Plants. Part I. Ferns, Equisetites, and Calamites. Jan. 9.

M'Lennan, J.-A Stroll along a Trap Dyke in Ayrshire. Feb. 13.

Macnair, P.—On a Plutonic Complex at Tomnadashan, Loch Tay, Perthshire. Feb. 13.

Macnair, P.—Report on the Society's Excursion to Creag-na-Cailliach, Killin. Feb. 13.

Neilson, J. - Notes on a Recent Trip to

Egypt. May 29.

Peach, B. N., F.R.S., F.G.S.—The
Cambrian Fauna of the NorthWest Highlands. Mar. 13.

Stark, J.-Notes on the Geology of the Mediterranean Seaboard. Dec.

Thompson, Prof. G. R.—On Deposits, and how they are Formed. Nov.

Du Toit, A. L.-Fresh Points on the Structure of Apiocrinus. Feb.

Traquair, R. H., F.R.S., F.G.S.—The Vertebrate Animals of the Coal Period. Apr. 10.

IRELAND.

GEOLOGICAL SURVEY OF THE UNITED KINGDOM.

Office in Ireland: 14 Hume Street, Dublin. District Geologist: G. W. Lamplugh.

The Survey of Ireland was begun in 1845, though some portions of the northeast of the island had previously been officially examined, and a report upon them had been issued by the Ordnance Survey. The mapping has from the beginning been carried on mainly upon the six-inch scale, and is now completed. A few six-inch maps of the pisolitic iron-ore and coal-fields have been engraved and published. The one-inch sheets are the same size as the quartersheets and the New Series maps of England (price 1s. 6d. to 3s.). Horizontal Sections to the number of 37 have been published (price 5s. each), also one sheet of Vertical Sections of the Castlecomer Coal-field (price 3s. 6d.). The whole of the one-inch map of Ireland (205 sheets) has been published, with Explanatory Some of the early maps have been revised, and of these the following sheets were issued during 1901: -Sheets 46, 61, 67, 79, 115, 117, 118, 125, 126, 127, 134, 135, 143. The re-survey of the Drifts has been commenced, and the mapping of the neighbourhood of Dublin (sheet 112), has been completed. A colour-printed edition of this map is in preparation. The re-survey of the Drifts in the neighbourhood of Belfast is now in progress.

SECTION V.

BIOLOGY, INCLUDING MICROSCOPY AND ANTHROPOLOGY.

LONDON.

LINNEAN SOCIETY OF LONDON.

BURLINGTON HOUSE, PICCADILLY, W. (FOUNDED 1788.)

- Officers.—President: Sydney Howard Vines, M.A. (Oxf.), D.Sc., F.R.S. Treasurer: Frank Crisp, LL.B. Secretaries: Prof. G. B. Howes, F.R.S., and Dr D. H. Scott. General Secretary: B. D. Jackson. Librarian: A. W. Kappel.
- Meetings. Fortnightly, on Thursdays, at 8 P.M., from November to June inclusive. The Anniversary Meeting takes place on May 24.
- Membership.—Entrance Fee, £6; Annual Subscription, £3; Life Composition, £45.
- Publications 1901.—Journal, Botany, 242, 4s.; 243, 3s.; Zoology, 181, 12s.;
 182, 3s.; 183, 4s. Transactions.—Botany, Vol. VI., Part 1, 30s.; Part 2,
 6s.; Zoology, Vol. VIII., Part 4, 14s.; Part 5, 5s.; Part 6, 10s.; Part 7, 28s.
 Proceedings, 113th Session, 1900-1901, 4s.

Titles of Papers read during 1901. Those marked * have been published.

- Bernard, H. M.—Provisional Nomenclature.* Feb. 7, June 6.
- Brown, W. E .- Revision of Hyperincophyllum, Steetz.* June 20.
- pman, F.—Foraminifera Funafuti.* Dec. 5. Ostracoda from Funafuti.* Chapman, from

- Cheeseman, T. F.—The Flora of Rar-atonga. Nov. 21. Clarke, C. B.—Types of Species of Carex in Boott's Herbarium. Nov.
- vel, A.—Espèce n Lépadides.* Feb. 21. Gruvel. nouvelle
- Hemsley, W. B., and H. H. W. Pearson,
 —Plants from the High Andes.* Apr. 4.
- High-level plants from Tibet.* Apr. 18.
- Jameson, H. L.-Experimental Cultivation of the Pearl Oyster. Jan.
- Lankester, E. R., and R. Lydekker.—
 Affinities of Æluropus melanoleucus.* Feb. 21.

- Lister, G .- Tristicha hypnoides
- Egypt. Mar. 7. see, G. Re-descriptions Massee, Berkeley's Types of Fungi. * May
- and S. E. Salmon.—Notes on Coprophilous Fungi. June 20. Mitchell, P. C.—Intestinal Tracts of Birds. * Mar. 21.
- Pace, S .- The Corallum in Turbinaria.* Apr. 18.
- · On the Anatomy of a Species of Pontiothauma. Dec. 19.
- Pycraft, W. P.—Palate of the Neognathe. * May 2. Salter, J. H .- Protoplasmic Connec-

- Satter, J. H.—Protoplasmic Connections in Lichens. Dec. 5.

 Tims, H. W. M.—Tooth-genesis in Caviide. Jan. 17.

 Walker, A. O.—Malacostracan Fauna of the Mediterranean. Mar. 7.

 Warburton, C., and A. C. Embleton.—

 Life-history of the Black-currant Gall-mite. Nov. 7.
- West, G. S. British Fresh-water Rhizopods and Heliozoa. * Apr. 4. West, W., and G. S. West. - Fresh-water Algre of Ceylon. * June 20.

ANTHROPOLOGICAL INSTITUTE OF GREAT BRITAIN AND IRELAND,

3 HANOVER SQUARE.

- In 1843 the "Ethnological Society" was founded; in 1863 the "Anthropological Society" was founded; and in 1871 the two Societies were united as the "Anthropological Institute."
- Officers.—President: Prof. A. C. Haddon, D.Sc., F.R.S. Hon. Secretary: J. L. Myres, M.A., F.S.A., F.R.G.S. Treasurer: A. L. Lewis, F.C.A. Assistant-Secretary: N. W. Thomas, M.A.
- Meetings.—On Tuesdays, at 8.30 P.M., from November to June inclusive. The Anniversary Meeting takes place in January.
- Membership. -- No Entrance Fee; Annual Subscription, £2, 2s.
- Publications. Journal, July and January, 10s. per part; Man (a Monthly record of Anthropological Science), 1s. (10s. per annum); Eastern Uganda (an Ethnographic Survey), by C. W. Hobley, M. Inst. C. E., 10s.
- Papers read from January 1901 to June 1902. Those marked * have been published in the "Journal."
- Balfour, H., M.A., F.Z.S.—The Goura: | Hodson, T. C.—The Native Tribes of the Musical Instrument of the Manipur. Dec. 10, 1901. Bushmen and Hottentots. Apr. 29, 1902.
- okins, W. Boyd, F.R.S. The Animal Remains found in the Dictaean Cave and the Skulls from Burials at Zakro in Crete. May
- 27, 1902.

 Galton, F., S.C.D., D.Sc., F.R.S.—Hux-ley Memorial Lecture. The Possible Improvement of the Human Breed under the existing Conditions of Law and Sentiment. Oct. 29,
- Gatty, Rev. R. F .- Diminutive Flint Implements from the Sand-mounds of Scunthorpe. Nov. 26, 1901.
- Gowland, W., F.S.A.—The Recent Excavations at Stonehenge. Jan. 12, 1902.
- Haddon, A. C., Sc. D., F.R.S.—Presidential Address: What the United States of America are doing for Anthropology. Jan. 28, 1902.
- Hawtery, S. H. C.—Lengua Indians of Gran Chaco of Paraguay. Dec. 10, 1901.

- Manipur. Dec. 10, 1901. Hogarth, D. G., F.R.G.S.—Excavations in the Dictaean Cave at Zakro in
- Crete. May 27, 1902.

 Holland, T. H., F.G.S.—The Kanets of
 Kulu and Lahoul. May 10, 1902.
- Lewis, A. L., F.C.A.—Stonehenge:
 an Enquiry respecting the Fall of
 the Trilithons. Jan. 12, 1902.

 Myres, J. L., M.A., F.S.A.—On au
 Archaic Bronze from Southern
 Persia. June 10, 1902.

 Shelford, R.—A Prehistorical Classification of the Swords of the
- fication of the Swords of the Sarawak Tribes. Nov. 12, 1901. Skeat. W. W., M.A.—The Wild Tribes
- of the Malay Peninsula. Feb. 11, I902.
- Sykes, Major P., F.R.G.S.-Anthropological Notes on Southern Persia. Jan. 10, 1902.
- Temple, Sir R., C.I.E.—Extracts from
- Diaries kept in Car Nicobar by V. Solomon. Mar. 11, 1902.

 Willett, E., M.D.—On a collection of Palæolithic Implements from Savernake. Nov. 26, 1901.

ZOOLOGICAL SOCIETY OF LONDON,

- 3 HANOVER SQUARE, W. (Founded 1826; Incorporated 1829.)
- Officers. President: The Duke of Bedford. Secretary: P. L. Sclater, M.A., Ph.D., F.R.S. Prosector: Frank E. Beddard, M.A., F.R.S. Superintendent of Gardens: C. Bartlett. Librarian: F. H. Waterhouse.

- Meetings.—From November to August inclusive. The Anniversary Meeting takes place on April 28.
- Membership.—Entrunce Fee, £5; Annual Subscription, £3; Life Composition, £35.

List of Papers published in the Volumes of the "Proceedings" for 1901.

Anderson, Dr J.—A List of the Reptiles and Batrachians obtained by Mr A. Blayney Percival in Southern Arabia. May 21.

Beddard, F. E.—Notes on the Anatomy of Picarian Birds.—No. IV. On the Skeletons of Bucorvus cafer and B. abyssinicus; with Notes on other Hornbills. Jan. 15.

On a Fresh-water Annelid of the genus Bothrioneuron, obtained during the "Skeat-Expedition" to the Malay Peninsula. Feb. 5.

- Exhibition of a Skin of a Female Monkey (Cercopithecus schmidti)
 bearing a pair of Supernumerary Mammæ. Feb. 19.
- Notes on the Broad-nosed Lemur Hapalemur simus. Feb. 19.
- On the Clitellum and Spermatophores of an Annelid of the genus Alma. Mar. 5.
- Contributions to the Knowledge of the Structure and Systematic Arrangement of Earth-worms. Mar. 5.
 - --- Note upon Galago garnetti. Mar.
- —— Some Notes upon the Anatomy and Systematic Position of the Ciconiine genus Anastomus. Apr. 16.
- On some Earthworms from British East Africa; and on the Spermatophores of Poly/oreutus and Stuhlmannia. Apr. 16.
- On some Species of Earthworms of the genus *Benhamia* from Tropical Africa. June 4.
- Notes upon the Anatomy and Systematic Position of Rhynchæa. Dec. 3.
- On some Anatomical Differences between the Common Snipe (Gallinago cælestis) and the Jack Snipe (Gallinago gallinula). Dec.
- On the Spermatophores of the Earthworms of the Genus Ben-
- hamia. Dec. 17.

 Bell, Prof. F. J.—Exhibition of two
 Specimens of an Echinoderm,
 Astrophyton clavatum, in Sexual
 Congress. Apr. 2.
- Benham, Dr W. B.—On the Larynx of

certain Whales (Cogia, Balænoptera, and Ziphius). Apr. 2.

and Ziphius). Apr. 2.

Benham, Dr W. B—On the Anatomy of Cogia breviceps. May 21.

Rombite J. L.—One Second Collection

Bonhote, J. L.—On a Second Collection of Mammals made by Mr. Th. H. Lyle in Siam. Feb. 5.

——On the Birds Collected during the

 On the Birds Collected during the "Skeat Expedition" to the Malay Peninsula, 1899-1900. Feb. 5.
 On the Evolution of Pattern in

— On the Evolution of Pattern in Feathers. June 18.

Brorradaile, L. A.—Letter respecting

Armadillidium pacificum transferred to Cubaris. Apr. 16.

On the Spawn and Young of a Polychæte Worm of the genus Marphysa. Dec. 17.

Boulenger, G. A.—On the Fishes Collected by Dr W. J. Ansorge in the Niger Delta. Jan 15.

Notice of a Memoir on the Fishes of Lakes Tanganyika and Kivu, obtained during the Tanganyika Exploring Expedition. Jan. 15.

— A List of the Batrachians and Reptiles obtained by Dr Donaldson Smith in Somaliland in 1889. Feb. 5.

— Descriptions of New Fresh-water Fishes discovered by F. W. Styan at Ningno, China. Mar. 19.

at Ningpo, China. Mar. 19.

Description of a New Fish of the genus Gobius obtained by Mr A. Blayney Percival in South Arabia. May 21.

— Descriptions of two New Chameleons from Mount Ruweuzori, British East Africa. May 21.

- On a Small Collection of Fishes from Lake Victoria made by order of Sir H. H. Johnston, K.C.B. June 4.
- Descriptions of two New Fishes discovered by Dr W. J. Ansorge in Southern Nigeria. Dec. 3.

— Further Notes on the African Batrachians Trichobatrachus and Gampsosteonyx. Dec. 17.

Brady, Dr G. S.—Notice of a Memoir on a Collection of Ostracoda belonging to the Zoological Museum of Copenhagen. Mar. 19.

Broome, Dr R.—On the Structure and Affinities of Udenodon. June 4.

ZOOLOGICAL SOCIETY OF LONDON-continued.

Budgett, J. S.—Notice of a Memoir on the Structure of the Larval Polypterus. Dec. 17.

Burne, R. H.—A Contribution to the Myology and Visceral Anatomy of Chlamydophorus truncatus. Feb.

- Note on the Innervation of the Supraorbital Canal in the Cattish (Chimæra monstrosa). Mar. 5.

Butler, A. G.—On some Butterflies from the White Nile collected by Capt. H. N. Dunn of the Egyptian Army. Jan. 15.

Army. Jan. 19.

On Butterfiles from St Lucia, W. Indies, collected by Major A. H. Cowie. Dec. 17.

Cambridge, Rev. O. P.—On Some New and Interesting Exotic Spiders collected by Messrs G. A. K. Marshall and R. Shelford. Jan.

Cameron, P .- On the Hymenoptera collected in New Britain by Dr Arthur Willey. Mar. 19.

On the Hymenoptera collected during the "Skeat Expedition" to the Malay Peninsula, 1899-1900. May 7.

Distant, W. L .- Revision of the Rhynchota belonging to the family Coreidæ in the Hope Collection at Oxford. Apr. 16.

Dunn, Capt. H. N.—Field-notes on

the Antelopes of the White Nile.

Ewart. Prof. J. C.—Remarks on the Microscopic Structure of the Hair of Johnston's Zebra (Equus johnstoni). Feb. 19.

Flower, Capt. S. S.—Exhibition of some Photographs of Animals taken in the Ghizeh Gardens.

Mar. 5.

Hogg, H. R.—On Australian and New
Zealand Spiders of the Sub-order Mygalomorphæ. June 4.

Holding, R. E.-Exhibition of, and Remarks upon, some Malformed Horns of the Japanese Deer. Apr.

Jacoby, M.—Descriptions of some New Species of Phytophagous Coleoptera

of the family Chlamydæ. Feb. 19. Jameson, Dr H. L.—On the Identity and Distribution of the Mother-of-Pearl Oysters; with a Revision of the

Sub-genus Margaritifera. Apr. 6. Urinary Organs of the Lepidosiren and Protopterus. Nov. 19.

Laidlaw, F. F.—On a Collection of

Lizards from the Malay Peninsula, made by members of the "Skeat

Expedition," 1899–1900. Apr. 2.

Laidlaw, F. F., and W. W. Skeat.—

List of a Collection of Snakes, Crocodiles, and Chelonians from the Malay Peninsula, made by members of the "Skeat Expedition," 1899-1900. Dec. 3.

Lanchester, W. F.—On the Crustacea collected during the "Skeat Expedition" to the Malay Peninsula, together with a Note on the genus

Actæopsis. Nov. 19.

Lankester, Prof. E. R.—Exhibition of, and Remarks upon, two Skulls and a Skin of the Newly-discovered African Mammal (Okapia johnstoni). June 18.

Notice of a Memoir on Okapia, a New Genus of Giraffidæ. from Central Africa. Nov. 19.

Lönnberg, Dr E.—Exhibition of Photographs of a Skull of the Musk-Ox from East Greenland. Mar. 5.

Lydekker, R.—Exhibition of the Skull of a Fox (Canis vulpes) with two Canine Teeth on each side of the

Upper Jaw. Jan. 15.
Notice of an Apparently New Estuarine Dolphin from Borneo.

Feb. 19.

- Note on the Kashmir Ibex (Capra

sibirica sacin). Feb. 19.
- Exhibition of, on behalf of the President, and Remarks upon, a Photograph of Shed Horns of Père David's Deer. Nov. 19.

Major, C. I. F .- On Lemur mongoz and Lemur rubriventer. Mar. 19. On some Characters of the Skull

in the Lemurs and Monkeys. Feb

Exhibition of, and Remarks upon, the Skull of a New Fossil Mammal (Enhydrictis galictoides). Dec. 17.

Man, Dr J. G. de.—Description of a New Fresh-water Crustacean from the Soudan; followed by some Remarks on an Allied Species. Feb. 19.

Mitchell, P. C .- On the Anatomy of Gruiform Birds; with Special Reference to the Correlation of

Modifications. Dec. 17.

Melvill, J. C., and R. Standen.—The Mollusca of the Persian Gulf, Gulf of Oman, and Arabian Sea, as evidenced mainly through the Collections of Mr F. W. Townsend, 1893-1900; with Descriptions of New Species. June 18.

ZOOLOGICAL SOCIETY OF LONDON—continued.

on the Reproduction of the Duckbill. Dec. 17.

Millais, J. G .- On the Second Occurrence of Bechstein's Bat (Vespertilio bechsteini) in Great Britain. June

Moore, J. E. S.—Further Researches concerning the Molluscs of the

Great African Lakes. June 10.

Mudye, G. P.—Notes of a Memoir on the Lingual Myology of Parrots. Apr. 2.

Parsons, F. G.—On the Muscles and Joints of the Giant Golden Mole (Chrysochloris trevelyani). Jan. 15.

A. E.—Field-notes on the Pease, obt**a**ined during Antelopes Journey in Somaliland and Southern Abyssinia in 1900-1901. Nov. 19. Peckham, G. W., and E. G. Peckham.

On Spiders of the family Attidæ found in Jamaica. May 7.

Pocock, R. I.—On some new Trap-door Spiders from China. Mar. 5.

Exhibition of, and Remarks upon,

Nests of a tree Trap-door Spider from Rio Janeiro. May 21.

Punnett, R. *C.*—On some Arctic Nemerteans. May 21.

Redwood, D. W. G .- On the Structure of the Horny Excrescence, known as the "Bonnet," of the Southern Right Whale (Balæna australis). Feb. 5.

Exhibition of some Microscopic Slides of the Hair of the Johnstone Zebra (Equus johnstoni). Feb. 19.

Exhibition of, and Remarks upon, some Microscopic Preparations of the Hairs of Antelopes, Giraffe, and

Zebra. May 7.
Rothschild, Hon. W.—Exhibition of, and Remarks upon, Specimens of the Ibex of Abyssinia (Capra walie, Rupp). June 18.

- Exhibition of, and Remarks upon, Specimen of the Abyssinian Wolf (Canis simensis, Rupp). June 18.

Satunin, C .- On a new Hedgehog from Transcaucasia; with a Revision of the Species of the genus Erinaceus of the Russian Empire. June 18.

Sclater, P. L.-Reports on the Additions to the Society's Menagerie from December 1900 to Nov. 1901.

- Remarks on a Mounted Specimen of Prejevalsky's Horse (Equus prejevalskii) in the Musée d'Histoire Naturelle, Paris. Feb. 5.

Metcalfe, G., and O. Thomas.—Remarks | Sclater, P. L.—On an apparently new Species of Zebra from the Semliki Forest. Feb. 5.

- List of the Specimens of the Quagga that have lived in the Society's Gardens. Mar. 5.

Exhibition of a case of Lepidop-tera collected in St Lucia, West Indies, by Major A. H. Cowie.

Exhibition of, and Remarks upon, Specimens of Mammals obtained by Sir Harry Johnston in Uganda. Mar. 19.

Exhibition (on behalf of Mr Phil Robinson) of an old Engraving of the Mountain Zebra. Apr. 16.

- Exhibition of an original Watercolour Painting by Sir Harry Johnston, K.C.B., and Remarks upon the newly-discovered African Mammal, the Okapi. May 7.

- Notes of a Zebra (apparently Equus grevyi) taken from Ludolphus's

work on Abyssina. May 7.

- Announcement of the offer of a pair of young Giraffes to the Society by Col. B. Mahon. Nov. 19.

· Exhibition of a Small Collection of Mammals presented to the Society by M. C. Satunin. Nov. 19.

Exhibition of, and Remarks upon, some Heads of Antelopes obtained by Sir W. Garstin in the Egyptian Sudan. Nov. 19.

Remarks on the Herd of Pre-jevalsky's Horse at Woburn Abbey. Nov. 19.

Sharpe, Dr R. B.—On a Collection of Birds made by Dr Donaldson Smith in Northern Somaliland. June 18.

On the Collection of Birds made by Dr A. Donaldson Smith on his last Expedition to Lake Rudolf Dec. 3. and the Nile.

Shelford, R.—Exhibition of a series of Lantern-slides illustrative of Mimicry amongst Bornean Insects. June 18.

Sherborn, C. D.-Remarks on the progress of the "Index Animalium." May 7.

Simon, E.—On the Arachuida collected during the "Skeat Expedition" to the Malay Peninsula, 1899-1900.

May 7.
Sinclair, T. G.—On the Myriapoda collected during the "Skeat Expedition" to the Malay Peninsula, 1889-1900. Nov. 19.
Tegetmeier, W. B.—Exhibition of a

ZOOLOGICAL SOCIETY OF LONDON-continued.

mounted Head and Horns of the Sable Antelope. Mar. 19.

Thomas, O.—On the Mammals of the Balearic Islands. Feb. 5.

- --- On the more notable Mammals obtained by Sir Harry Johnston in Uganda Protectorate. May 22.
- Uganda Protectorate. May 22.

 Notes on the Type Specimen of Rhinoceros lasiotis, Sclater; with Remarks on the Generic Position of the Living Species of Rhinoceros. June 4.
- Exhibition of, and Remarks upon, a peculiar Stag's Frontlet and Horns from Borneo. June 18.
- On the Five horned Giraffe obtained by Sir Harry Johnston near Mount Elgon. Nov. 19.

Thompson, Prof. D. A. W.-On the

Pterylosis of the Giant Humming-bird (Patagona gigas). Apr. 2.

bird (Patagona gigas). Apr. 2.

Thomson, A.—Report on the Insecthouse for 1900. Mar. 5.

- Windle, B. C. A., and F. G. Parsons.— On the Muscles of the Ungulata. Dec. 17.
- Winton, de W. E.—Exhibition of, and Remarks upon, a Specimen of the large Grey Meerkat (Cynictis selousi). Plate I. Jan. 15.

 Exhibition of, and Remarks upon, a large Specimen of the Grey Mullet. Nov. 19.

Woodward, Dr A. S.—On some Extinct Reptiles from Patagonia, of the genera Miolania, Dinilysia, and Genyodectes. Mar. 5.

ROYAL BOTANIC SOCIETY OF LONDON.

ROYAL BOTANIC GARDENS, REGENT'S PARK.

(INCORPORATED 1839 BY ROYAL CHARTER.)

- Officers.—President: H.S.H. the Duke of Teck. Secretary: J. B. Sowerby, F.L.S., Royal Botanic Gardens, Regent's Park.
- Meetings.—On the first Saturday and third Wednesday in each month at 3.45 P.M. The Anniversary Meeting takes place in August.
- Membership.—Entrance Fee for Fellows, £5, 5s.; Annual Subscription: for Fellows, £2, 2s.; for Members, £1, 10s.

Publication. - Quarterly Record, 6d. per issue.

[No Return.]

THE BOTANICAL EXCHANGE CLUB OF THE BRITISH ISLES.

- Officers.—Hon. Secretary and Treasurer: Charles Bailey, M.Sc., F.L.S., Atherstone house, North Drive, St Anne's-on-the-Sea, and c/o of Messrs Ralli Brothers, Peter Street, Manchester.
- Membership.—No Entrance Fee; Annual Subscription, 5s.
- Publications.—Report for 1901, edited by the Rev. E. S. Marshall, M.A., F.L.S., Lavington Rectory, Petworth, Sussex.

THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM,

THE LABORATORY, CITADEL HILL, PLYMOUTH.
(FOUNDED MARCH 31, 1884.)

Officers.—President: Prof. E. Ray Lankester, LL.D., F.R.S. Secretary and Director of the Laboratory: E. J. Allen, B.Sc., The Laboratory, Citadel. Hill. Naturalist: W. Garstang, M.A.

- Meetings. —The Anniversary Meeting takes place in June. Council Meetings Quarterly.
- Membership.—Annual Subscription, £1, 1s.; Composition Fee, £15, 15s.
- Publications. Journal of the Marine Biological Association, New Series, Vol. VI. No. 3, 3s. 6d.

Papers communicated during the past Session.

Allen, E. J., and R. A. Todd.-The | Thomson, J. S.-The Periodic Growth Fauna of the Exe Estuary.

Bell, F. J.—On the Occurrence of Squilla desmaresti in the North Sea.

Bidder, G.—Notes on Plymouth Sponges.

Byrne, L. W.—Notes on the Young of Blennius galerita, Linn. (Montagu's Blenny).

of Scales in Gadidæ and Pleuronectide as an Index of Age.

Wolfenden, R. N.-The Plankton of the Farce Channel and Shetlands. — Preliminary Notes on some Radiolaria and Copepoda.

Worth, R. H.—The Foraminifera of

the Exe Estuary.

ENTOMOLOGICAL SOCIETY OF LONDON,

11 CHANDOS STREET, CAVENDISH SQUARE, W.

(FOUNDED 1833; INCORPORATED BY ROYAL CHARTER 1885.)

Officers. - President: The Rev. Canon Fowler, M.A. Hon. Secretaries: H. Goss, F.L.S., and H. Rowland-Brown, M.A.

Meetings.—First and third Wednesday from October to June at 8 P.M. Annual Meeting in January.

Membership.—Entrance Fee, £2, 2s.; Annual Subscription, £1, 1s.

Papers read during Session 1901-1902. Those marked * are published in "Transactions," 1901, Part II. (5s. 6d.); 1900: Part III. (10s.), Part IV. (11s.), Part V. (2s. 6s.); and 1902: Part I. (6s.), to be had at the Society's Rooms, and of Messrs Longmans & Co., Paternoster Row. The dates given indicate time of delivery.

Arrow, G. J -The genus Hyliota, of the Coleopterous family Cucujidæ, with Descriptions of New Forms and a List of Undescribed Species.* Nov. 16.

Burr, M.—A Monograph of the Genus Acrida, with Notes of some Allied Genera and Descriptions of New

Species. Mar. 5.

Champion, G. C.—Sexual Dimorphism
in Buprestis sanguinea, Fabr., a
Species occurring in Spain and
new to the European List. Oct. 2. An Entomological Excursion to Central Spain. * Mar. 5.

Chapman, T. A.—On Hypotianæ, a New Sub-family of Pyralidæ.* Feb. 5. - Asymmetry in the Males of Hemarine and other Sphinges. May 7.

Distant, W. L.—Contributions to a

Knowledge of the Rhynchota.* Nov. 6.

Donisthorpe, H. St. J.—The Lifehistory of Clythra quadri-punctata, L.* Dec. 4.

J.—The Butterflies of H. Ćhile. June 4.

Embleton, Miss A.—On the Economic Importance of the Parasites of Coccidæ. Apr. 16.

Hinde, S. L.—The Protective Resemblance to Flowers borne by an African Homopterous Insect. June

Kirby, W. F.—Report on a Collection of African Locustidæ formed by Mr W. L. Distant, chiefly from the Transvaal.* Feb. 5.

Additional Notes on Mr Distant's Collection of African Locustidæ. Apr. 16.

Kirkaldy, G. W .- A Memoir upon the | Miall, Prof. L. C .- On a New Cricket Rhynchotal family Capsidæ.

Lea, A. M.—List of the Australian and Tasmanian Mordellidæ, with Tasmanian Mordellidæ, with Descriptions of New Species.*

Leech, J. H. (the late).-Lepidoptera heterocera from China, Japan, and Corea. Part V. With Descriptions of New Species by R. South.* Oct. 2.

Marshall, G. A. K .- Five Years' Observations and Experiments (1897– 1091) on the Bionomics of South African Insects, chiefly directed to the Investigation of Mimicry and Warning Colours. With Appendices containing Descriptions of New Species by W. L. Distant and Col. C. D. Bingham. Mar. 5.

Meyrick, E.—Descriptions of New

Lepidoptera from New Zealand.* Oct. 16.

Descriptions of New Australian Lepidoptera.* Feb. 5. - Lepidoptera from the Chatham Islands. May 7.

of Aquatic Habits found in Fiji by Prof. G. Gilson. May 7.

Perkins, R. C. L.—(a) Notes on Hawaian Wasps, with Descriptions of New Species; (b) four New Species and a New Genus of parasitic Hymenoptera (Ichneumonidæ) from the Hawaian Islands: (c) on the Generic Characters of Hawaian Crabronidae-four New

Genera characterized. Mar. 5.

Poulton, Prof. E. P. — Mimicry
illustrated by the Sanger-Shepherd Three-colour Process. Mar.

Saunders, E.-Hymenoptera aculeata collected in Algeria by the Rev. E. A. Eaton and the Rev. F. D. Morice. Heterogyna and Fossores to the end of Pompilide. * Oct.

South, R. - See Leech, J. H. Col. C.—Eastern Swinhoe, and Australian Drepamelidæ, Epipleniidæ, Micronidæ, and Geo-metridæ in the British Museum Collection.

MALACOLOGICAL SOCIETY OF LONDON.

LINNEAN SOCIETY, BURLINGTON HOUSE.

(Founded 1893; place of meeting by permission of Council of Linnean Society.)

Officers.—President: E. A. Smith, F.Z.S. Hon. Secretary: E. A. Burne, 21 Stanley Crescent, Notting Hill, W.

Meetings. - Second Friday in each month, November to June, at 8 P.M. Anniversary Meeting in February.

Membership. - Entrance Fee, 10s. 6d.; Annual Subscription: for Ordinary Members, 10s. 6d.; Corresponding Members, 7s. 6d.

List of Papers read during Session 1901-1902. Those marked * are already published in the "Proceedings," Vol. V. No. 1, 5s., edited by B. B. Woodward (Dulau & Co.).

Ashington-Bullen, Rev. R. - Note on Mollusca, Terrestrial and Marine: (i.) From the Late Keltic (early Iron Age) Burial-ground of Harlyn Bay; (ii.) from a Bronze Age In-terment, Harlyn Cliffs; (iii.) from a Neolithic potter's hut, Constantine Island; (iv.) from Kitchen-middens on Constantine Cliff, and at Constantine Church. Apr. 11, 1902. Blanford, W. T.—On an apparently

new Rhiostoma and a new Sesara, obtained by the late Mr. W. M. Daly in Siam.* Jan. 10, 1902.

Bullen-Newton, R.—On a Ctenostreon from the Middle Oolite of Switzer-

land.* May 9, 1902.

Burne, R. H.—Note on the Histology of Molluscan and other Olfactory Nerve-centres. Apr. 11, 1902.

- The Myology of Pholas. May 9,

1902. Caziot. --Note on the Pairing of Pyramidula rotundata Vitrea lucida. Dec. 13, 1901.

Crick, G. C. - Note on the Type-specimen of Belemnoteuthis montefiorei, J. Buckmann.* Nov. 8, 1901.

- Fulton, H. Descriptions of a new East African Ennea and a N.W. Australian Thersites (Rhagada).* 13, 1901.
- Godwin-Austen, H. H.—On Helix basileus of Benson from Southern India, its Anatomy and Generic Position. June 13, 1902.
- On the Anatomy of some littleknown Land Mollusca from New Britain and Lifu, Loyalty Islands, collected by Dr Arthur Willey. June 13, 1902.
- Gude, G. K.—Eulota blakeana, Newc., and E. luna, Pils.* Dec. 13, 1901.

A Synopsis of the genus Streptaxis

and its Allies. May 9, 1902.

Kennard, A. S., and B. B. Woodward.— On Non-marine Mollusca from the Holocene of Westminster and London Wall. Mar. 14, 1902.

Kenyon, Mrs A. F.—On the fate of the Type-specimen of Voluta roadknightæ.* Nov. 8, 1902.

Pace, S.—On the Anatomy Relationship of Voluta musica, Linn; with notes upon other supposed members of the Volutida.

the Columbellidæ. - Studies on Part I. * Jan. 10, 1902.

 On the Identity and Relationships of Buccinum dermestoidum, Lam, June 13, 1902.

Preston, H. B.—Descriptions of two

Helicoid Landshells from new British New Guinea.* Nov. 8. 1901.

Preston, H. B.—Descriptions of two new Landshells from British New Guinea. Jan. 10, 1902.

Shopland, E. R.-List of Marine shells collected near Aden from 1892 to 1901. Mar. 14, 1902.

Smith, E. A.—Note on Cypræa microdon of Gray. Mar. 14, 1902. — Description of a New Species of

Achatina from Basutoland, Apr. 11, 1902.

Sowerby, G.B. — Note on the Opercula of Turbo pulcher, Reeve, and T. licaonicus, Reeve.* June 13, 1902. Sykes, E. R.—Description of a new

Species of Helicina from Guatemala. Nov. 8, 1901.

- Notes on the Clausiliæ of Tonkin. Apr. 14, 1902.

On New Species of Chatopleura from South Africa. * May, 9, 1902.

On a Small Collection of Nonmarine shells, formed by Mr J. J. Walker from the New Hebrides, Banks and Torres Islands. June 13, 1902.

Woodward, B. B.—Clausilia Biplicata (Mont.) in Hertfordshire. June 13,

Acanthinula lamellata (Leff.) in Buckingham and Berkshire, * June 13, 1902.

ROYAL MICROSCOPICAL SOCIETY.

20 HANOVER SQUARE, W.

(FOUNDED 1839; INCORPORATED 1866.)

Patron. -H.M. THE KING.

- Officers. President: H. Woodward, LL.D., F.R.S. Hon. Secretaries: Rev. W. H. Dallinger, LL.D., F.R.S.; R. G. Hebb, M.A., M.D., F.R.C.P. Assistant Secretary: F. S. Parsons.
- Meetings.—Third Wednesday in each month, from October to June, at 8 P.M. The Annual Meeting takes place in January.
- Membership.—Entrance Fee, Two Guineas; Annual Subscription, Two Guineas, or £1, 10s. 6d. for members residing abroad; Life Composition, £31, 10s.

List of Papers read during Session 1901–1902.

Carruthers, W., F.R.S., F.L.S. the Life and Work of Nehemiah

Grew. Jan. 15.
Girdwood, Prof. G. P.—On Stereomicrography. Nov. 20.

Millett, Wm., F.R.M.S.—Report on the Recent Foraminifera of the Malay Archipelago, collected by Mr A. Durrand.

— Part XII. Oct. 16.

— Part XIII. Mar. 19.

- Nelson, E. M., F.R.M.S.—The First English Achromatic Objectives. Dec. 18.
- Holtzappfel's Microscope (Note). Dec. 18.
- New Methods in Microscope Work. Feb. 19.
- Rousselet, C. F., Curator R.M.S.— Third List of New Rotifers since 1889. Mar. 19.
- The genus Synchæta; a Mono-

graphic Study with Descriptions of Five New Species. June 18.

Smith, A. L.-Fungi found on Farm Seeds, when tested for Germination; with an Account of two Fungi new to Britain. Oct. 16.

Wesché, W.—Undescribed Palpi on the Proboscis of some Dipterous Flies, and Remarks on the Mouthparts in several Families.

ANATOMICAL SOCIETY OF GREAT BRITAIN AND IRELAND. (FOUNDED 1887.)

Officers. — President: C. B. Lockwood, F. R.C.S. Hon. Secretary: Peter Thompson, M.D., Middlesex Hospital, London, W.

Meetings.—Quarterly, at the Anatomical Departments of Universities and Medical Schools in the United Kingdom, in turn. The Annual Meeting takes place in November.

Membership. - No Entrance Fee; Annual Subscription, 10s. 6d.

List of Principal Papers read from November 1901 to July 1902, and mostly published in the "Journal of Anatomy," 6s. quarterly (Griffin & Co.).

Addison, Dr C .-- Case of Bilateral Cervical Ribs.

Bailey, R. C.—Specimen showing a Band Formed by a Persistent

Vitelline Artery.

Berry, Dr R. J.—Dissections of Two
Twin Monsters, with Lantern Illustrations and Specimens.

Burne, R. H .- Flexor Carpi Radialis of Elephant, showing Great Development of Elastic Tissue.

Dixon, Prof. A. F.—Exhibition of the Skull and other Bones from a

Case of Acromegaly.
Findlayson, Dr, and F. Wood Jones. Complete Absence of the Right Lung, Bronchus, and Pulmonary

Vessels in a Recently-born Child.

Gladstone, Dr R. F.—Description of some New Cephalometric Instruments.

J. S.—The Comparative Goodall, Histology of the Urethra.

Griffiths, Dr J .- The Normal Position of the Great Toe.

Harman, N. B.-A Minimal Form of Fissura Facialis.

Jones, F. W .- The Musculature of the Bladder and Urethra.

Keith, Dr A.—Inflation of the Nasal Canal in the Skulls of Adult Gorillas and Chimpanzees and the Relative Development of the Sinus

Maxillaris and Inferior Meatus in

Man and Apes.

Keith, Dr A.—Lantern Demonstration on the Extent to which Lumbar Segments of the Body have been Transmuted to Sacral in the Evolution of Man and the Higher Primates.

Keith, Dr A., and F. W. Jones .- A Note on the Development of the Fundus of the Human Stomach.

Kidd, Dr W.—The Sternal Angle in Man.

The Arrangement of the Hair on the Frontal Region of Man.

Macleod, Dr J. M. H.—Recent Observations on the Human Stratum Corneum.

Macphail, Prof. A .- Vestigial First Ribs.

Nabarro, Dr D. N.-Two Hearts showing Peculiarities of the Great

F. G.—Demonstration of Wooden Models of Abdominal and Thoracic Viscera.

Patten, Prof. C. J.-Some Points on the Topographical Anatomy of the Thoracic and Abdominal Viscera in Hylobates hainanus.

Rigby, —, and F. W. Jones.—A
Partial Hernia of the Cardiac End of the Stomach through the Esophageal Orifice of the Diaphragm.

Robinson, Prof. A .- A Preliminary Communication on the Development of the Pericardium.

Shepherd, R. K .- The Form of the Human Spleen.

Symington, Prof. J.—The Relation of the Deeper Parts of the Brain to Surface, illustrated nens, Photographs by and Specimens. Lantern Slides.

Thiele, Dr F. H .- Account of a

Heart, showing Complete Transposition of the Aorta and Pulmonary Artery, with Complete Separation of the Right and Left Ventricles.

Tims, Dr H. W. M.-On the Succession of the Molar and Premolar Teeth in the Mammalia.

Trevor, R. S .- A Heart with Various Malformations.

· A very Long Vermiform Appendix enclosed in a Canal behind the Cæcum and Ascending Colon.

POSTAL MICROSCOPICAL SOCIETY.

HAFOD EURYN, COLWYN BAY, N. WALES.

(FOUNDED 1873.)

Officers. - President: Sir Thomas Wardle. Hon. Secretary: Miss Florence Phillips, Hafod Euryn, Colwyn Bay, N. Wales.

Meeting.—The Annual Meeting is usually held in London in October.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 5s. for Members contributing Slides, 10s. for Members not contributing Slides.

Notes from the members' Circulating Notebooks are published from time to time in "Science Gossip,"

QUEKETT MICROSCOPICAL CLUB,

20 HANOVER SQUARE, W. (Founded 1865.)

Officers.—President: George Massee, F.L.S. Hon. Secretary: G. C. Karop, M.R.C.S., 198 Holland Road, Kensington, W.

Meetings.—On first and third Fridays in each month, from October to June inclusive, at 8 P.M. The Annual General Meeting takes place in February.

Membership.—No Entrance Fee; Annual Subscription, 10s.

Publication, -Journal, published in April and November, Series II. Nos. 49 and 50, 3s. 6d. each net (Williams & Norgate).

List of Papers read from October 1901 to June 1902.

Angus, H. F. The Apertometer and | Merlin, A. A.—Structure in Triceraits Use.

Ashe, A. - Two-speed Fine Adjustments.

Cheshire, F .- Simple Methods of Focometry and Apertometry.

Dixon-Nuttall, F. R.—Diglena rostrata. Earland, A. - Cymbalopora bulloides, d'Orbigny.

Karop, G. C.—Hanging-drop Cultivation.

Massee, G .- Presidential Address. Coprophilous Fungi.

Chætomium botricoides.

tium.

Spermatozoon of Rat.

Critical Employment of the Microscope for ordinary working Purposes.

Nelson, E. M.—Black and White Dot Phenomenon.

Rheinberg, J.—Black and White Dot. Rousselet, C. F.—Triarthra brachiata,

Scourfield, D. J. - Hydra and the Surface-film of Water.

- Ephippia of Lynceid Entomostraca.

Scriven, J. B.—Preparation of Serial | Wesché, W.—Modifications of the Legs Sections of Insects. Sour, C. D.—Ecpolus papillosus, n.s.

in some Diptera.

RAY SOCIETY.

(Founded in 1844, for the Publication of Works on British Natural History.)

Officers.—President: The Right Hon. Lord Avebury, F.R.S. Hon. Secretary: Rev. Prof. Thomas Wiltshire, M.A., D.Sc., F.G.S., F.L.S., 25 Granville Park, Lewisham, S.E.

Meetings. - The Anniversary Meeting takes place in June.

Membership. -- Annual Subscription, One Guinea.

Publications.—A Monograph of the British Coccide, by R. Newstead, Vol. I., 39 Plates, One Guinea (Subscription for year 1900), December 1901. British Tyroglyphidæ, by A. D. Michael, Vol. I., 22 Plates, One Guinea (Subscription for year 1901), January 1902.

SELBORNE SOCIETY.

20 HANOVER SQUARE, W.

Officers. - President: Lord Avebury, F.R.S. Secretary: R. Marshman Wattson, 20 Hanover Square, W.

Meetings. - First and third Tuesdays in each month at 5.30 P.M. The Anniversary Meeting takes place in May.

Membership. -No fixed Subscription, but only Subscribers of 5s. and upwards are entitled to hold office, vote at meetings, and to receive publications.

Publication. — Nature Notes, price 2d. monthly (Bale).

EALING NATURAL SCIENCE AND MICROSCOPICAL SOCIETY.

PUBLIC BUILDINGS, EALING, W.

Officers. - President: Rev. G. Henslow, M.A., F.L.S. Hon. Secretary: W. H. Swain, B.A., B.Sc., 3 Sutherland Road, Ealing, W.

Meetings. - Second and last Saturdays in each month, from October to May inclusive. The Anniversary Meeting takes place in May.

Membership.—No Entrance Fee: Annual Subscription, 10s.

Papers read during Session 1901–1902. Abstracts are published in the "Annual Report."

in the Egyptian Desert. Nov. 9, 1901.

Brown, J. A., J.P., F.G.S. — Some recent Discoveries in Relation to Fossil Man in Ealing. Jan. 25, 1902.

Butcher, W.D., M.R.C.S.-A Neglected Sense (Smell). Mar. 8, 1902.

Andrews, C. W., D.Sc.—Fossil-hunting | Druery, C. T., F.L.S.—Fern Wonders.

Mar. 24, 1902.

Everett, J. D., F.R.S., D.C.L.—Some Phenomena of Sound in Relation to Music. Nov. 30, 1902. Ewart, J. C., M.D., F.R.S.—Horses,

Striped and Plain, and some of their Hybrids. Apr. 12, 1902. Henslow, Rev. G., M.A., F.L.S. — Mechanical Forces displayed by Massee, G., F.L.S. — Fungi: their Plants. Oct. 26, 1901.

Nature and Uses. Feb. 22, 1902. Plants. Oct. 26, 1901.

Henslow, Rev. G., M.A., F.L.S.—The Classification of Plants in Accordance with their Evolution. Apr. 26, 1902.

Pycraft, W. P., A.L.S.—Phases of Fish Life. Dec. 14, 1901. Read, R. H .- Bird Life on the Jutland Marshes. Feb. 8, 1902. Swain, W. H., B.A., B.Sc.—Butterfly-hunting in the Alps. Jan. 11, 1902.

CITY OF LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY.

(Established 1858 as the Haggerston Entomological Society.) LONDON INSTITUTION, FINSBURY CIRCUS. E.C.

Officers. - President: L. B. Prout, F.L.S. Hon. Secretaries: J. Kaye Caracas, F.L.S., S. J. Bell, Sternhold Avenue, Streatham, S.W.

Meetings.—First and third Tuesdays in each month at 7.30 P.M. The Anniversary Meeting takes place in December.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 7s. 6d. Publication. - Transactions 1901, price 2s.

Papers read during Session 1901-1902.

Bacot, A., F.E.S.—Notes on Heredity | Pickett, C. P., F.E.S.—Notes on an in Lepidoptera. Feb. 19. Bell, S. J.-Holiday Notes from Hun-

stanton. Dec. 18.

Bouskell, F., F.E.S.—New Forest Notes, with Lantern Slides. Mar. 5. Chapman, Dr T. A., F.E.S.—Notes on "Luffias." Jan. 15.

August Holiday at Folkestone. Feb. 5.

Prout, L. B., F.E.S.-Notes on the Genus Cidaria. Apr. 16.

- Supplementary Notes on Cidaria. Nov. 19.

NORTH LONDON NATURAL HISTORY SOCIETY, SIGDON ROAD BOARD SCHOOL, DALSTON LANE, N.E.

Officers. - President: Jas. A. Simes. Secretary: C. Nicholson, F.E.S., 202 Evering Road, N.E.

Meetings.—First and third Thursdays in each month at 7.45 P.M. The Annual Meeting is held in December.

> Membership.—Entrance Fee, 1s.; Annual Subscription, 5s. [No Return.*]

LAMBETH FIELD CLUB AND SCIENTIFIC SOCIETY, ST MARY NEWINGTON SCHOOLS, NEWINGTON BUTTS, S.E.

Officers. - President: G. W. Waine. Hon. Secretary: F. P. Perks, 41 St Martin's Lane, W.C.

Meetings.—First Monday in each month; and also the third during the Winter. The Annual Meeting takes place in June.

Membership.—Entrance Fee, 1s.; Annual Subscription: for Gentlemen, 5s.; for Ladies, 2s. 6d.

[No Return.*]

BRITISH ORNITHOLOGISTS' UNION.

3 HANOVER SQUARE, W.

Officers .- President: F. Du Cane Godman, D.C.L., F.R.S. Hon. Secretary: Howard Saunders.

Meetings. —The Annual Meeting takes place in April or May.

Membership.—Entrance Fee, £2; Annual Subscription, £1.

Publication. - The Ibis, edited by P. L. Sclater, F.R.S., and Howard Saunders, F.L.S., F.Z.S., and published in quarterly numbers (January, April, July, and October), price 6s. each.

Papers received during the year are published in "The Ibis."

COUNTRY.

BARNSLEY NATURALIST AND SCIENTIFIC SOCIETY.

HARVEY INSTITUTE, ELDON STREET. (Founded 1867.)

Officers. - President: E. G. Bayford. Hon. Secretary: H. Wade, 10 Pitt Street.

Meetings. -On Mondays at 8 P.M. The Anniversary Meeting takes place in January.

Membership.—No Entrance Fee; Annual Subscription: for Ordinary Members, 6s.; Ladies, 3s.; for Honorary Members, 10s. 6d.; Life Composition, £5.

List of Papers read during Session 1901-1902.

Corbett, Dr. - What is a Species? Nov. 4. Denison, A .- The Practical Utility of Astronomical Science. Oct. 21.

Hewett, W.—Organic Evolution. Dec.

M'Lean, K.-Birds that are misunderstood. Feb. 3.

Cole, Rev. C. M.—Coast Erosion, York- | Sheppard, T.—Early Man on the shire. Feb. 17. | Yorkshire Wolds. Jan. 20.

Stones, W.-A Trip to Brazil. Apr. 7. Townsend, H. G.—Our Planet: its Changes as told by a Study of the

Rocks. Dec. 2.

Whitaker, A.—The Intelligence of Animals. Mar. 3.

BIRMINGHAM MICROSCOPISTS' AND NATURAL-ISTS' UNION.

TEMPERANCE INSTITUTE, CORPORATION STREET. (FOUNDED 1880.)

Officers. — President: H. Stone, F.L.S. Hon. Secretary: R. Hancock, 89 Thornhill Street, Handsworth.

Meetings.—Every Monday at 7.30 P.M. The Anniversary Meeting takes place in November.

Membership.—No Entrance Fee; Annual Subscription, 5s.

[No Return.]

BIRMINGHAM NATURAL HISTORY AND PHILO-SOPHICAL SOCIETY.

NORWICH UNION CHAMBERS, CONGREVE STREET.

(FOUNDED 1858.)

Officers. - President: J. Levick. Hon. Secretaries: W. P. Marshall, M.I.C.E., Richmond Hill, Edgbaston; W. B. Grove, 53 Linwood Road, Handsworth.

Meetings.—On Tuesdays at 6.30 p.m. The Anniversary Meeting takes place in February.

Membership. - No Entrance Fee: Annual Subscription, One Guinea.

Publication .-- Proceedings, Vol. XI., Part 2.

List of Papers read during Session 1901-1902.

Bridge, Prof.-Recent Additions to the | University Museum. Feb. 12. Emery, Dr. - Notes on Bacteriology.

Nov. 5.

Iliff, G. M .- Measuring the Magnifying Power of Objectives and Eye Pieces. Feb. 5.

Trip through North Wales. 17.

Lapworth. Prof. - Metamorphism by Earth Crust Movement. Mar.

Heine's Work on Metamorphism by Earth Crust Movement. May 29.

Levick, J.—The Role of Mosquitoes in the Spread of Malaria. Apr. 16.

Levick, J .- Notes on Mosquitoes and

Malaria. Oct. 1.

Matley, C. A. —Geology of Aberdaron, Carnarvonshire. Oct. 23.

Raw, F.—The Circulation of the Atmosphere. May 1.
Stone, N.—Woods Exhibited by Mexi-

can Government at the Paris Exhibition. June 11.

Waller, J. H.-Microscope Rock

Sections. May 7.
Watson, C. J.—Photographs from the

Plant World. Mar. 19.
Wilkinson, W. H.—Lichens of Clevedon, Somersetshire. May 21.

Wynn, Miss L.-Recent Travels in India. Nov. 19.

BOLTON MICROSCOPICAL SOCIETY.

(Affiliated to the Royal Microscopical Society.)

THE TECHNICAL SCHOOL, MAWDSLEY STREET. (FOUNDED 1877.)

Officers. - President: C. L. Jackson, M. Inst. C. E., F. R. Met. S. Hon. Secretary: W. Rideout, F.R.M.S., F.L.S., 84 Seymour Road, Astley Bridge, Bolton. Curator: W. W. Midgley, Chadwick Museum.

Meetings. —Second Thursday, October to April, at 7.30 P.M. The Anniversary Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901-1902.

Atherton, H. S.—The Use of the Microscope in the Geology American Rocks Based on Bulletin 150 U.S.A. Geological Survey. Mar.

Blain, W. R .- Eucalyptus. Jan. 23. Lomax, J.—Further Researches on the Structure and Affinities of Fossil Plants from the Palæozoic Rocks. Dec. 5.

Midgley, T .- Some Characteristics of the Order Hepaticæ. Feb. 20.

Midgley, W. W., F.R.Met.S .- A full Description of a Microscope and all its Accessories, built specially to order, by Messrs Ross & Co., London. Apr.

An Inexpensive and Practical Method of Photographing Microscopical Objects. Nov. 21.

BRADFORD NATURAL HISTORY AND MICRO-SCOPICAL SOCIETY.

[Formed by the Amalgamation of the Bradford Naturalists' Society (founded 1875) and the Bradford Microscopical Society (founded 1882).]

CHURCH INSTITUTE, NORTH PARADE.

Officers. — President: F. Jowett. Hon. Secretaries: A. E. Benny; B. Spencer, 33 Carlisle Terrace, Bradford.

Meetings.—Alternate Mondays at 7.30 P.M. The Annual Meeting takes place in December.

Membership.—Entrance Fee, 1s.; Annual Subscription, 4s.

List of Papers read during Session April to October 1902.

Beanland, J.—Plant Classification. | Butterfield, R.—Birds. Aug. 18. | Carter, J. W., F.E.S.—Insects. July Benney, A. E., F.R.H.S.—Rocks. | 21. | Rhodes, F.—Mammals. June 9.

BRISTOL MICROSCOPICAL SOCIETY,

LITERARY AND PHILOSOPHIC CLUB, 20 BERKELEY SQUARE, CLIFTON. (FOUNDED 1843.)

Officers.—President: Cedric Bucknall, Mus.B. Hon. Secretary: E. J. L. Gardiner, Essendene, Downside Road, Clifton.

Meetings.—Third Thursday in each month, from October to May inclusive, at 7.30 P.M. The Annual Meeting takes place in October.

Membership.—Entrance Fee, 10s.; Annual Subscription, 12s. 6d.

BRISTOL NATURALISTS' SOCIETY,

LITERARY AND PHILOSOPHICAL CLUB, BERKELEY SQUARE, CLIFTON. (FOUNDED MAY 1862.)

Officers.—President: Dr A. B. Prowse. Hon. Secretary: Prof. S. H. Reynolds, M.A., University College.

Meetings.—First Thursday in each month at 8 P.M., from October to May inclusive. The Anniversary Meeting takes place on the third Thursday in January.

Membership.—Entrance Fee, 5s.; Annual Subscription, 10s.

Publication.—Proceedings, Vol. IX. Part 3, New Series, 2s.

List of Papers read and published during Session 1901-1902.

Austin, Major H. H., D.S.O.—A Journey from Omdurman to Mombassa via Lake Rudolf. May 1.

Fisher, Dr T.—A Visit to the Mountains of Algeria. Apr. 3.

Feb. 26.

Frances, Dr F. E.—The Atmosphere. Nov. 1.

Gubbin, Dr W. B.—Extinct Forms of Animal Life. Mar. 6.

MacIver, Miss F.—A Visit to Auvergne.

Feb. 26.

Morgan, Prof. C. L., F.R.S.—Notes on a Visit to the Faroes and Iceland. Apr. 24.

Prowse, Dr A. B.—Some Botanical Photomicrographs. June 23.

Reynolds, Prof. S. H., F.G.S.-Volcanoes. Feb. 6.

- Notes on the Geology of Swanage. May 15.

The Clogher Head Inlier, County Kerry. Dec. 23.

ardson, L., F.G.S.—On the Estheria Bed in West Gloucester-Richardson, shire. June 12.

Smith, G. M .- The Growth and Decay of Tissues. Dec. 5.

Tutcher, J. W.—On the Lower Lias of Keynsham. June 12. Tyack, L. W.—The Makers of Modern

Astronomy. Oct. 3.

Vaughan, A., F.G.S.—Ammonites and

their Allies. June 12.

BRITISH MYCOLOGICAL SOCIETY,

34 FOREGATE STREET, WORCESTER.

- Officers.—President: Prof. J. W. Trail, M.D., F.R.S. Secretary: C. Rea,
- Meetings.—No Ordinary Meetings are held, but once a year the members meet at some place determined upon at the previous Meeting, for the Annual Fungus Foray, lasting about a week. This year the Club were the guests of the Woolhope Club, at Hereford.
- Membership.—Foundation Members (limited to 100, of whom 75 have already been enrolled), 5s. annually; Ordinary Members, 10s. 6d. There is no Entrance Fee.
- Publication 1902.—Transactions (Season 1900-1901, with Plate and Index to Vol. I.), 7s. 6d.

Communications made before the Society at the Meeting in September 1901.

Barker, B. T. P., M.A.—Spore Formation in Saccharomycetes. Sept. 26.

Plowright, C. B., M.D.—Ozonium
auricomum. Sept. 25.

Smith, Miss A. L.—Fungi new to
Britain. The Fungi of Germinat-

ing Farm Seeds. Sept. 25.

Ward, Prof. H. Marshall, F.R.S.—Some Methods Methods ployed in the Investigation of Fungi. Sept. 24.

- Recent Observations on Puccinia dispersa. Sept. 26.

CARADOC AND SEVERN VALLEY FIELD CLUB,

37 CASTLE STREET, SHREWSBURY.

Officers. - President: W. E. Garnett-Bosfield. Hon. Secretary: H. E. Forrest, 37 Castle Street.

Meetings. -An Annual Meeting in February, Field Meetings during Summer and Autumn, and Evening Meetings October to June at 7.30 P.M.

Membership. - Entrance Fee, 5s.; Annual Subscription, 5s.

Publications during 1901.—Transactions (1901), 1s. Record of Facts (1901), 1s.

Papers read during 1901. The Paper marked † has been published in the "Zoologist," the remainder appear in the "Transactions."

Forrest, H. E.—Fauna of North Wales. | Forrest, H. E.—Breeding of Tufted Oct. 25. Duck in Shropshire. † Jan. 21.

Garnett-Bosfield, W. E.—President's | Leighton, G., M.D.—Snakes of the Address. Feb. 7. Monnow Valley. Mar. 12. Palmer, J.-Variation in Birds' Eggs. Nov. 4.

CARDIFF NATURALISTS' SOCIETY,

98 ST MARY STREET. (FOUNDED 1867.)

- Officers. President: C. H. James. Hon. Secretary: W. Sheen, M.D., 2 St Andrew's Crescent.
- Meetings. Fourth Thursday in the month, from October to March, at 8 P.M. Field Meetings are held in the Summer months. The Anniversary Meeting takes place in October.
- Membership. No Entrance Fee; Annual Subscription, 15s.
- Publication, Transactions, Vol. XXXIII. (1900-1901), price 2s. 6d.

Titles of Papers read before the Society during Session 1901–1902.

some Invertebrates and what they See. Jan. 23.

Goscombe, J. W., A.R.A. - Modern

Sculpture. Dec. 19.

Hartland, E. S.—Folk lore: What is it? What is the good of it? Feb. 27.

Bird, Rev. T., M.A.—The Eyes of | Marten, A. T., F.S.A.—Recent Excavations at Caerwent. Nov. 22.

Perkins, Rev. T., M.A.—The Growth of Church Architecture in England and Wales up to the Fourteenth

Century. Apr. 3.
Small, E. W., B.Sc.—The Evolution of Scenery. Oct. 24.

CHICHESTER AND WEST SUSSEX NATURAL HISTORY AND MICROSCOPICAL SOCIETY.

THE MUSEUM, CHICHESTER.

- Officers. President: W. H. B. Fletcher, F. E.S. Hon. Secretary: J. Anderson, Alre Villa, Chichester.
- Meetings.—Second Tuesday in each month, from September to May inclusive. The Annual General Meeting takes place in March.

Membership.—No Entrance Fee; Annual Subscription, 5s.

This Society is at present in abeyance.

COTTESWOLD NATURALISTS' FIELD CLUB,

THE COTTESWOLD CLUB, EASTGATE, GLOUCESTER.

- Officers.—President: C. Callaway. Hon. Secretary: S. S. Buckman, F.G.S., Charlton King's, Cheltenham.
- Meetings.—There are four Winter Meetings and four Field Meetings. The Annual Meeting is held in April.

Membership.—Entrance Fee, £1; Annual Subscription, 15s.

List of Papers published in the "Proceedings," Vol. XXIV. Part 1, price 5s. 3d.

Callaway, C.-Pre-Rhætic Denudation of the Bristol Area.

-Palæontology of the Peat and Forest Bed at Westbury on Severn. Kennard, A. S., and B. B. Woodward. | Prevost, E. W.—General Details of Peat

Reade, T. M.—Geology of Peat and Forest Bed at Westbury on Severn.

and Forest Bed at Westbury on Richardson, L.—Mesozoic Geography of the Mendip Archipelago. Wethered, E. W.-Coal and the Coal Question.

CROYDON MICROSCOPICAL AND NATURAL HISTORY CLUB.

PUBLIC HALL, WELLESLEY ROAD, CROYDON. (Founded 1870.)

Officers .- President : Jas. Epps, jun. Hon. Secretary : G. W. Moore, Bryndhurst, 15 Dornton Road.

Meetings.—Third Tuesday in each month, from September to May inclusive, at 8 P.M. The Annual Meeting takes place in January.

> Membership.—No Entrance Fee; Annual Subscription, 10s. Publications. — Proceedings and Transactions, yearly.

EASTBOURNE NATURAL HISTORY SOCIETY, LISMORE ROAD, EASTBOURNE.

Officers. - President: W. Hudson, M.A., F.G.S. Secretary: H. Habgood, M.D., Stafford House.

Meetings.—On third Friday in every month during Winter, at 8 P.M. The Anniversary Meeting is held in November.

Membership. - Entrance Fee, 2s. 6d.; Annual Subscription, 7s. 6d.

List of Papers read during Session 1901-1902.

Chambers, G. F., F.A.S.—Portuguese Manners and Customs. Apr. 18. Gardner, H. D., F.G.S., F.R. Met. Soc.

—The Exploration and Scenery of the Atmosphere. Mar. 21.

Bulman, G. W., B.Sc.—The Origin of | Peach, H. R., LL.B.—Irish Folk and the British Flora. Feb. 21. Fairy Lore. Dec. 20. Fairy Lore. Dec. 20. Sherwood, A. P., M.D.—Bubbles and Drops. Jan. 17. West, Dr. -Architecture. Nov. 15.

ESSEX FIELD CLUB,

THE ESSEX COUNTY MUSEUM OF NATURAL HISTORY, Romford Road, Stratford, Essex.

> THE EPPING FOREST MUSEUM, Queen Elizabeth's Lodge, Chingford, Essex.

Officers. - President: Prof. R. Meldola, F.R.S. Hon. Secretaries: W. Cole, F.L.S., F.E.S.; Springfield, Buckhurst Hill, Essex. Treasurer: David Howard, J.P., F.C.S.

Meetings. - Ordinary Meetings during Winter Session (October to March), last Saturday in each month. Field Meetings about twelve in the year. The Annual Meeting is held in March.

Membership.—Annual Subscription, 15s.; Life Composition, £10, 10s.

Publications. - Essex Naturalist, the quarterly journal of the Club, free to Members; to Non-Members, 6s. per annum. The Coming of Age of the Essex Field Club, a Record of Local Scientific Work, 1880-1901, by Prof. R. Meldola, F.R.S., 1s.

List of Papers published during Session 1901-1902.

Britton, C. E. - Orchis maculata, Subspecies ericetorum, in Epping Forest.

Clark, P .- Notes on the Black-headed Gull in Essex in 1901.

Cole, W.—The late G. J. Symons, F.R.S.

- Notes on "Dug-out" Boats in the Ancient Marshes of the Lea and the Thames.

- The Cryptogamic Herbarium of the late E. G. Varenne of Kelvedon. - Petricola pholadiformis in Essex

and Kent.

Cooke, Dr M'C .- A Fungoid Cucumber Disease in Essex.

· Notes on Fungi, Forestal and Mainly Corrigenda to the " Illustrations of British Fungi."

- and G. Massee. See Massee. Holmes, T. V., F.G.S. — Geological Notes on the New Reservoirs in the Valley of the Lea, near Walthamstow.

— The late Tom Hay Wilson.

Howse, Prof. G. B., F.R.S.—Recent
Work in Molluscan Morphology.

Johnson, J. P.—Palæolithic Implements from the Low-level Drift of the Thames Valley.

Neolithic Implements from the North Downs near Sutton.

- Notes on a Manganiferous Seam in the Thames Valley Drift at Ilford, Essex.

Boulger, Prof. G. S., F.L.S.—Sea-side | Littler, H. W.—Notes on Hand-printing Plants. | Silk-works at Waltham Abbey and West Ham.

> Lovett, E.-Fish-hooks or Gorges of Wood from France (similar to those from Essex).

> Massee, G., F.L.S.—Amanita citrina: a Fungus new to Britain, in Epping Forest.

and Dr M. C. Cooke. - Epping Forest Fungi. Reports on the Species observed at Fungus Foray

on October 12, 1901.

Meldola, Prof. R., F.R.S.—The Coming
of Age of the Essex Field Club. A Record of Local Scientific Work, 1880-1901

Rudler, F. W., F.G.S. - Report of Club's Delegate at British Association, Glasgow, 1901.

Sorby, Dr H. C., F.R.S. — On the Variation in Numbers and Habitat of Marine Animals on the Coast of Essex, during the last ten or twelve years.

Note on a small Shark (! Galeus vulgaris) seen in Brightlingsea

Harbour.

Sutherland, Duchess of. - Note on Vegetable Colouring matters used as Dyeing Material in the Scotch Islands.

Thresh, Miss May. - Manganiferous Nodules in the Boulder-clay of Essex.

Waller, W. C., M.A., F.S.A.—Anent a Forest Lodge in 1444.

FOLKESTONE NATURAL HISTORY AND MICRO-SCOPICAL SOCIETY,

PUBLIC LIBRARY. (FOUNDED 1868.)

Officers. —President: T. Eastes, M.D. Hon. Secretary: Stuart G. Hills, Public Library.

Meetings. - First Tuesday in each month, from October to May inclusive. The Annual Meeting takes place in January.

Membership. - No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901-1902.

Asia Minor. Feb. 4.

Johns, C. H., M.A.—Astronomical Notes. Dec. 3.

Morgan, J.—Corals. Nov. 19.

Horsnaill, E. - Freshwater Chart of Roberts, C. J., B.A.-Isles of Scilly. Nov. 5.

Sawyer, B.-Cluster Cups. Mar. 4. Stainer, J., F.C.S.—Petroleum. Apr. 1. Walton, G. C., F.L.S.—An Interesting Natural Order. Mar. 4.

THE HASTINGS AND ST LEONARDS NATURAL HISTORY SOCIETY.

THE MUSEUM, HASTINGS.

(FOUNDED 1893.)

Officers.—President: G. G. Gray, J.P., LL.D. General Secretary: E. Connold, F.E.S., 7 Magdalen Terrace, St Leonards-on-Sea.

Objects. - The Study of Natural History.

Meetings. - Alternate Tuesdays at 8 p.m. The Annual Meeting is held in November.

Publication.—Eighth Annual Report, containing additions to the List of Local Flora and Fauna. British Vegetable Galls, by Edward Connold, F.E.S., 12s. 6d.

Membership. - Annual Subscription, 2s. 6d. or more.

List of Papers read during Session 1901-1902.

Abbott, G., M.R.C.S.—The Magnesian | Gardener, -. - Our Premier Crown Limestone Puzzle at Sunderland, with Suggestions as to the Origin of the Cellular Structure. 22.

Battey, C. F .- Some Practical Applications of Electricity. Dec. 17.

Connold, E., F.E.S. - British Social Wasps and their Architecture. Mav 6.

Field, W.—Summer Migratory Birds. Mar. 11.

Colony (Ceylon). Dec. 3. Gray, D., J.P.-Flowers of the Sea.

Apr. 8. Hall, F.—First Impressions of Italy. May 20.

Kearton, R., F.Z.S.—Peeps into Nature's Secrets. Mar. 25.

King, H.—Hidden Beauties of Nature. Feb. 11 and 25.

Lucas, W. J., B.A.—The Life of a Dragon Fly. Jan. 14.

Sladen, F. W .- Bees. Jan. 28.

HOLMESDALE NATURAL HISTORY CLUB.

Officers. - President: F. Hughes. Hon. Secretary: Albert J. Crosfield, Carr End, Reigate.

Meetings. - Fourth Friday in each month, from October to April inclusive. The Anniversary Meeting takes place in October.

Membership. -- Entrance Fee, 10s. and 5s.; Annual Subscription, 10s. and 5s.

[No Return.*]

HUDDERSFIELD NATURALIST AND PHOTOGRAPHIC SOCIETY,

THE TECHNICAL COLLEGE.

Officers. - President: J. Cook. Hon. Secretary: W. E. L. Wattam, 54 Towngate, Newsome, near Huddersfield.

Meetings. - Last Saturday in each month. The Anniversary Meeting takes place in July.

> Membership.—No Entrance Fee; Annual Subscription, 4s. Publication.—Monthly Circular, free to Members.

List of Papers read during Session 1901-1902.

Beetles. Feb. 22.

Nelson, W.—Limnuea peregra and its Life History. Apr. 26.

Smith, W. G., Ph.D., B.Sc.-Trees. Sept. 28.

Mosley, S. L., F.E.S.—Bark-boring | Sykes, A. W.—Plant Distribution. Oct. 26.

Wattam, W. E. L.—Lichens. Jan. 25. Woodhead, T. W., F.L.S.—Some Investigations of Root Nodules. Nov. 30.

EAST KENT SCIENTIFIC AND NATURAL HISTORY SOCIETY.

THE BEANEY INSTITUTE, CANTERBURY, (FOUNDED 1858.)

Officers .- President: S. Harvey, F.I.C., F.C.S. Hon. Secretary: A. Lander, The Medical Hall, Canterbury.

Meetings.—Second and fourth Tuesdays in the winter months, at 7.30 P.M. Excursions on corresponding Thursdays in Summer. The Annual Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

Publication.—Report and Transactions, Series II., Vol. I., 2s. 6d.

List of Papers read during Session 1901-1902.

Buckingham, C .- The Charm of our | Woodlands. Mar. 25.

Cornfoot, J. B.—The Functions of Plants. Mar. 11.

Fielding, H .- Photographic Enlargements. Jan. 28.

Harvey, S .- The Supremacy of Life. Oct. 8.

Lander, A .- Wind and Weather. Feb. 11.

Malby, H. T. - Photography Flowers. Dec. 17.

Maudson, B.—History and Progress of Astronomy. Apr. 8.

Morgan, J.-Great Barrier Reef of Australia and its Corals.

Nightingale, D.—Modern Photographic Developers. Oct. 15. Slater, W. F .- A Trip up the Rhine.

Apr. 22. Snell, F. C.—Photography of Birds'

Nests, etc. Feb. 25. Webb, S. - Coins and Christianity. Dec. 3.

WEST KENT NATURAL HISTORY, MICROSCOPICAL AND PHOTOGRAPHIC SOCIETY.

SCHOOL FOR THE SONS OF MISSIONARIES, BLACKHEATH, S.E. (FOUNDED 1860.)

Officers.—President: John M. Stone, M.A., F.R.A.S. Hon. Secretaries: S. Edwards, F.Z.S., Kidbrooke Lodge, Blackheath; and H. F. Witherby, F.Z.S., 1 Eliot Place, Blackheath,

Meetings.—Third Wednesday in December, and the fourth Wednesday in the other months, from October to May inclusive, at the Hall of the Mission School. The Anniversary Meeting takes place in February.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

[No Return.]

LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY,

ROYAL INSTITUTION, COLQUITT STREET, LIVERPOOL.

Officers. - President: S. J. Capper, F.E.S. Hon. Secretaries: E. J. B. Sopp. F.R. Met.S., F.E.S., 104 Liverpool Road, Birkdale; F. Birch, 23 Orford Street, Wavertree.

Meetings.—Second Monday in each month, October to May, at 7.30 P.M. The Annual Meeting takes place in January.

Membership. - Annual Subscription, 5s.

Publication .- Annual Report, 1901.

List of Papers read during 1901. The Paper marked * was published in the "Etymologist," 1901.

Birch, F .- Our Raid into the Highlands, or what we did and saw at Rannoch in June 1900. Feb. 11.

Cotton, D. J., F.E.S.—The Lepidoptera of Eccleston. Mar. 11.

Day, F. H .- Notes on the Coleoptera of the Cumberland Mountains. Apr. 15.

Freeman, Rev. R., M.A.-Lepidoptera of the Simonswood District. Mar. 11.

Jackson, A.—Doings in the Bold District. Mar. 11. Newstead, R., F.E.S.—Entomological

Gleamings from my Diary, Dec.

Pierce, F. N., F.E.S.—The Home of the Swallow Tails. Nov. 11. Sopp, E. J. B., F.E.S.—Vice-Presidential Address. Jan. 14.*

Thompson, F. C.—The Knowsley

District. Mar. 11.

LIVERPOOL BIOLOGICAL SOCIETY.

UNIVERSITY COLLEGE.

Officers. - President: H. C. Beasley. Hon. Secretary: J. A. Clubb, M.Sc., Free Public Museum.

Meetings. - Ordinary Meetings, second Friday in each month, from October to June inclusive, at 5.30 P.M. The Annual Meeting is held in October.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, £1, 1s.

Papers read during the Session 1901-1902. Those marked * are published in the "Proceedings and Transactions," Vol. XVI., 30s.

Beasley, H. C.-The Fauna indicated in the Lower Keuper Sandstone of the Neighbourhood of Liverpool. Oct. 11.

Cole, F. J., and J. Johnstone.—Pleur-onectes; Liverpool Marine Biological Committee. Memoir viii. Ĵan. 10.

Darbishire, O. V.-Chondrus; Liverpool Marine Biological Committee. Memoir ix. June 7.

Hanna, W .- On Snake Venoms. Apr.

Herdman, W. A .- Fifteenth Annual

Report of the Port Erin Biological

Station. Nov. 8.

Herdman, W. A., A. Scott and J. Johnstone. - Report for 1901 of the Investigations carried on at the Fisheries Laboratory, University College, Liverpool, and the Sea-Fish Liverpool, and the S Hatchery at Piel. Jan. 10.

Holt, A.—The Determination of some Physical and Chemical Characters of some Samples of Water from the Irish Sea. Jan. 10.

Scott, A .- On some Indian Ocean and Red Sca Copepoda. Apr. 11.

LIVERPOOL NATURALISTS' FIELD CLUB.

ROYAL INSTITUTION, COLQUITT STREET. (FOUNDED 1860.)

- Officers. President: Colonel C. A. Whitney, V.C. Secretaries: Dr J. W. Ellis, 18 Rodney Street; Miss E. M. Wood, 17 Frodsham Street, Birken-
- Meetings.—Last Friday in each month, during Winter, at 7.45 r.m., and Field Meetings during the Summer. The Anniversary Meeting takes place in January.
- Membership. Annual Subscription, 5s.
- Publications. Proceedings, annually, free to Members. The Flora of Liverpool, edited by Dr C. Theodore Green, F.L.S. New edition, 5s. (shortly).

List of principal Papers read during Session 1901–1902.

- Ellis, Dr J. W., F.E.S.—The Queen of British Rivers: the Wye from Plinlimmon to Chepstow. Feb. 22. - North Yorkshire, Past and Pre-
- sent. Feb. 28.
 Fitzpatrick, J. J.—The Geology of the
- Liverpool District. Jan. 31.

 Green, Dr. C. T., F.L.S.—Our Local
 Fungi and how to Study them. Oct. 25.
- Jowett, W. H .- The Field and the
- Garden. Nov. 29. Laverock, W. S., M.A., B.Sc.—The Frog and some of his Relations. Mar. 29.
- Plants that eat Animals. Apr. 4. Moore, Dr J. M., F.R.G.S.—Tennyson's Nature Studies. Apr. 26. Wood, Miss E. M. - Botanical Résumé. Nov. 29.

LOUTH ANTIQUARIAN AND NATURALISTS' SOCIETY.

THE MUSEUM, NEW STREET.

- Officers. President: C. M. Nesbitt, J.P. Hon. Secretaries: R. W. Goulding, Mercer Row; B. Crow, Lee Street.
- Meetings.—Every Monday, at 8.15 P.M. The Annual Meeting is held in June. Membership, -No Entrance Fee; Annual Subscription (minimum), 5s.

List of Papers read during Session 1901–1902.

- Addey, M.—Nights at the Museum Club with Mid Century Writers.
- Carter, C. S.—A Contribution to the Natural History of Hubbard's Hills. Oct. 21.
- domesticaand Blatta - Musca orientalis. Jan. 27.
- The Silver-fish (Lepisma). Mar. 17. Cresswell, J. J., A.R.I.B.A.—The Rise and Development of Gothic Architecture in England. Feb. 26 and Mar. 5.
- Garrard, F. J.—The Visible Surface of the Moon. Dec. 2. Gelsthorp, T.—Runes. Mar. 10. Goulding, R. W.—The Court Rolls of
- the Manor of Louth. Nov. 25.
- Christian Frederick Esberger, his

- Relatives and his Journal. May
- Jenkins, Dr, B. Sc. — A Geological Excursion through the Hartz Mountains. Dec. 16.
- Larder, J .- Some Past and Present Views on the Fertilisation of Nov. 4. Flowers.
- Mawer, J .- Scrivelsby and the Championship. Nov. 11.
- Simpson, H. D.—Tours in Ireland.
 Jan. 20.
- Tatham, Rev. E. H. R., M. A. Lincolnshire in the Time of the Romans. Apr. 28 and May 5.
- Wild, Rev. J., B. A. Astrology. Apr. 21.
- Wilson, J, M.A.—Ancient Egypt. Jan. 13.

THE CONCHOLOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND.

THE MUSEUM, OWENS COLLEGE, MANCHESTER. (FOUNDED 1876.)

Officers.—President: Alexander Somerville, B.Sc. Hon. Secretary: W. E. Hoyle, M.A., F.R.S.E., The Owens College.

Meetings.—Second Wednesday in each month, except July and August, at 7 P.M. The Annual Meeting is held in the Autumn.

Membership.—No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901-1902, and published in the "Journal of Conchology" (Quarterly, price 1s. 6d.).

Adams, L. E.—The Census of the British Land and Fresh-water Mollusca. June 11.

ton, F. L.—West American Cypræidæ. May 14. e, L. St G.—Note on a Colour Button,

Byne, L. St G.—Note on a Variety of Cypræa argus. May

Collier, E.—The Section Placostylus of the Genus Bulimus. May 14.

Dall, W. H.—The Genus Gemma.
May 14.

Edwards, J. G.—Note on the Drying of Chitons. Feb. 12.

Green, W. A.—A few Notes on Imported Mollusca. Feb. 12.
Horsley, Rev. J. W.—Petricola pholadi-

formis at Sandwich, Turricola terrestris in Britain, and British Shells in South Africa. Oct. 9.

Hoyle, W. E .- British Cephalopoda: their Nomenclature and Identification. Apr. 9.

Two Points in Nomenclature. June 11.

Jackson, J. W.—Helix rotundata m. sinistrum, Taylor, at Castleton, Derbyshire. June 11.

Jackson, J. W., R. Standen, and W. E. Hoyle.-Reports on the Rambles and on the Excursion to Millport. Oct. 9.

Mrs.—Some Varieties Kenyon,

Cypræa. Jan. 8. Leicester, A.—Buckinghamshire Mollusca: New Records. Jan. 8.

Marshall, J. T .- Tapes geographicus and T. pullastra. Mar. 19.

Melvill, J. C.—Obituary Notice of the

late Thomas Rogers. Oct. 9.

Newton, R. B.—Cypriniadea and Arctica. May 14.

Panell, C., jun.—List of the Land and Fresh-water Mollusca of Surrey. Dec. 11.

Swanton, E. W.-South African Notes. Apr. 9.

Welch, R.-The Rock Pools Donegal Bay. May 14. Scalariform Helixnemoralis.

May 14. Whitwell, W.—New Records for Surrey and East Sussex.

Woodward, B. B. - A Final Note on T. pullastra. Mar. 19.

MANCHESTER MICROSCOPICAL SOCIETY,

GRAND HOTEL, AYTOUN STREET. (FOUNDED 1880.)

(Affiliated to the Royal Microscopical Society.)

Officers. — President: Prof. S. J. Hickson, M.A., D.Sc., F.R.S. Hon. Secretaries: E. C. Stump, 16 Herbert Street, Moss Side; C. Knight, 193 Oxford Street.

Meetings. - First Thursday in each month, from September to June inclusive. The Annual Meeting takes place the last Thursday in January.

Membership.—Entrance Fee, 5s.; Annual Subscription, 6s.

List of Papers read during Session 1901-1902, and published in "Transactions," 1s. 6d.

Bradshaw, A. P.—The Distribution of | Hannan, W. I.—Aquatic Plants. Jan. Fruits and Seeds. Sept. 5.

Hembry, F. W., F.R.M.S.—Report of the Delegate to the Meeting of the British Association. Jan. 3.

Hickson, Prof. S. J., D.Sc., F.R.S.— Fertilisation. Dec. 5. Laidlaw, F. F., B.A.—The Malay

Peninsula, Oct. 5.

Lunt, W .- Agri-Horticultural Work in the West Indies. Apr. 7.

Shenton, J. P., F.C.S.—Photo-Synthesis. June 6.
Sykes, M. L., F.R.M.S.—Evolution in

Butterfly Scales. Nov. 7. Thomson, A. E.—The House Fly.

May 2. Turner, Chas., F.C.S.—The Relation-

ship of Plants to Light. Mar.

MARLBOROUGH COLLEGE NATURAL HISTORY SOCIETY.

THE COLLEGE, MARLBOROUGH.

Officer.—President and Secretary: E. Meyrick, B.A., F.Z.S., Elmswood, Marlborough.

Membership.—Entrance Fee, 1s. 6d.; Annual Subscription, 5s. and 3s.

Meeting .- Thursdays, at 8.50 P.M.

Publication. — Annual Report, 2s.

[No Return.]

MIDLAND UNION OF NATURAL HISTORY SOCIETIES.

THE UNIVERSITY, BIRMINGHAM.

This Union is suspended for the present, and is represented only by the Hon. Secretary: Prof. W. Hillhouse, M.A., F.L.S., The University.

NEWBURY DISTRICT FIELD CLUB,

76 NATHBROOK STREET, NEWBURY. (FOUNDED 1870.)

Officers. - President: W. G. Mount. Hon. Secretary: G. J. Watts. Donnington, Newbury.

Meetings. - The Annual Meeting takes place in the Spring. Field Meetings are held twice in Summer.

> Membership. -- Entrance Fee, 5s.; Annual Subscription, 5s. Publication, 1900.—Annual Report.

Paper read by Lady Russell on June 17, 1901, before a conjoint meeting of the above and the Berkshire Archeological Society, at Swallowfield Park; "A History of Swallowfield."

NORFOLK AND NORWICH NATURALISTS' SOCIETY.

THE CASTLE MUSEUM, NORWICH. (Founded 1869.)

Officers. - President: W. H. Bidwell. Hon. Secretary: W. A. Nicholson St Helen's Square, Norwich.

Meetings.-Last Tuesday in each month, from September to May inclusive, but excluding December, at 7.30 P.M. The Annual Meeting takes place in March.

Membership.—No Entrance Fee: Annual Subscription, 5s.; Life Composition, £4.

Publication - Transactions, Vol. VII., Part 2, 3s, 6d.

List of Papers read during Session 1901-1902, and published in "Transactions," Vol. VII. Part 3, obtainable from the Hon. Secretary.

and Teucrium scordium in England. Jan. 28.

Bidwell, W. H .- President's Address. Mar. 25.

- Memoir of R. Wigham. Oct. 29. Bloomfield, Rev. E. N.-Additions to Norfolk Hymenoptera. Jan. 28.

Gurney, J. H., F.L.S.—Ornithological Notes from Southern Norway. Feb. 25.

Hurrell, H. E.-Rotifera from Yarmouth District. Mar. 25.

Leney, F.—Additions to the Museum, 1901. Feb. 25. Long, Dr T. H.—Mosquitoes in Nor-

folk. Feb. 25.

Longe, F. D.—Post-Glacial on East Coast. Apr. 30.

Mayfield, A.—Mollusca of a Suffolk Parish. Jan. 28.

Nicholson, W. A .- Variation Statistics of Ranunculus ficaria. Feb. 25.

Patterson, A .- Life of John Thomas, Punt-gunner. Jan. 28.

Natural History Notes Great Yarmouth. Mar. 25. from

A., F.L.S.—Liparis loeselii | Plowright, C. B., M.D.—Silver Thaw at Lynn. Jan. 28.

Memoir of D. C. Burlingham. Mar. 25.

— British Dye-Plants. Mar. 25.
Preston, A. W., F.R.Met.S.—Meteoro-

logical Notes for 1901. 25.

Pycraft, W. P., F.Z.S.—The Birds' Wing, and the Problem of Diastataxy. Nov. 26.

Reid, C., F.R S. - East Norfolk Geology : Three Well-borings. Sept. 24.

Southwell, T., F.Z.S. - Ancient Records of Cetaceans on the Norfolk Coast. Oct. 29.

Great Bustard in Norfolk. Nov.

· Unpublished Letter from Sir T. Browne. Feb. 25.

Tuck, W. H.—Aculeate Hymenoptera at Tostock. Nov. 26.

Wigg, T. J.—Herring Fishery for 1901. Feb. 25.

Woodward, H. B., F.R.S.—Soils of Norfolk. Mar. 25.

NORTHUMBERLAND, DURHAM, AND NEWCASTLE-UPON-TYNE NATURAL HISTORY SOCIETY,

MUSEUM, BARRAS BRIDGE, NEWCASTLE-UPON-TYNE. (FOUNDED 1829.)

Officers. - President: W. A. Watson Armstrong, M.A., J.P. Hon. Secretaries: Prof. M. C. Potter, M.A., F.L.S., and A. H. Dickinson. Curator of Museum: E. L. Gill, B.Sc.

Meetings .- Third Tuesday in Winter months. The Anniversary Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publication. — Transactions.

List of Papers read during Session 1901-1902.

Adamson, Lt.-Col. C. H. E., C.I.E.-Notes on Burmese Butterflies. Feb. 18.

Brady, G. S., M.D., F.R.S.—Report on Dredging and other Marine Research off the N.E. Coast in 1901. Mar. 18. Watts, Rev. A., F.G.S.—Some New Sinkings at Derwenthaugh. Oct. 22.

Wingate, Rev. W. J.-Life on a Window Pane. (Diptera). Nov.

Woolacott, D., M.Sc.—Some Notes on the Local Permian Rocks. Jan. 21.

NOTTINGHAM NATURALISTS' SOCIETY.

POOR LAW OFFICES, SHAKESPEARE STREET. (Founded 1852.)

- Officers. President: W. Bradshaw. Hon. Secretaries: J. Harold Herbert, Hazlemont, The Boulevard; Prof. J. W. Carr. M.A., F.L.S., University
- Meetings. Second Tuesday in each month at 8 P.M., from October to April inclusive. The Anniversary Meeting takes place during the first fortnight in October.
- Membership. Entrance Fee, 2s. 6d.; Annual Subscription, 5s.
- Publication,—Annual Report and Transactions.

List of Papers read during Session 1901-1902.

- Carter, Rev. W. L., M.A., F.G.S.— Tracking a Yorkshire River Under-
- ground. Feb. 12.

 Herbert, J. H., F.R.A.S., and F.

 Rayner, Assoc. M.Inst.C.E.—The

 Malham District, West Yorkshire. Feb. 13.
- Pearson, C. E., M. B.O. U., F. R. G.S.-Bird-nesting in Russian Lapland. Mar. 12.

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- Preston, H., F.G.S.—Structural Geology as illustrated by the Camera. Apr. 22.
- M.D., Ransom, В., M. A. -Vis Medicatrix Naturæ. Nov. 13.
- Woodruffe-Peacock, Rev. E. A., F.L.S., F.G.S.—By Mead, Stream, and Wood. Jan. 8.

READING NATURAL HISTORY SOCIETY.

(FOUNDED 1881.)

- Officers. President: Dr F. W. Stansfield. Hon. Secretary and Treasurer: F. W. Leslie, F. L.S., 10 Market Place Chambers, Reading.
- Meetings.—Alternate Thursdays during the Winter, and Field Meetings during Summer. The Anniversary Meeting is held in October.

Membership. —Annual Subscription, 2s. 6d.

Publication.—A List of Flowering Plants found in the Neighbourhood of Reading, Berks. 1s.

List of Papers read during Session 1901-1902.

Nests. Apr. 17.

King, H. A. -The Life of an Insect.

Jan. 30. Leslie, F. W., F.L.S.—Seed Vessels. Jan. 16.

Bradshaw, G. W .- Birds' Eggs and | Rowntree, W. S., B.Sc. - Extinct Verte-

brata. Mar. 20. Stansfield, F. W., M.D.—Life History of Ferns. Nov. 21.

Summers, Rev. W. H., M.A.-Land Shells. Feb. 13.

Wallis, H. M., M.B.O.U.—Sparrows. Feb. 27.

RIPON NATURALISTS' CLUB AND SCIENTIFIC AND LITERARY ASSOCIATION,

MUSEUM, PARK STREET, RIPON. (Founded 1882.)

Officers. - President: The Marquess of Ripon. Hon. Secretary: B. M. Smith, Dulce Domum.

Meetings. - First Thursday in each month. The Anniversary Meeting takes place in February.

Membership. - No Entrance Fee; Annual Subscription: for Ordinary Members. 4s.; for Patrons, 10s.

Publication during 1901.—Annual Report.

RUGBY SCHOOL NATURAL HISTORY SOCIETY,

RUGBY SCHOOL.

Officers. - President: C. E. M. Hawkesworth, B.A. Secretary: G. Bowden Smith.

Meetings. - Alternate Saturdays, during Autumn and Winter Terms. Field Expeditions during the Summer Term.

Membership, -Subscription, 3s. 6d. per term; Composition Fee, 15s.

Publication. - Annual Report of Rugby School Natural History Society, price 1s. (Lawrence, Rugby).

SHEFFIELD MICROSCOPICAL SOCIETY.

LEOPOLD STREET. (Founded 1877.)

- Officers. President: H. Clifton Sorby, J.P., LL.D., F.R.S. Hon. Secretary : J. Austen, 27 High Street.
- Meetings. Twice a month from October to May inclusive, at 8 P.M., at the Literary and Philosophical Society's Rooms, Leopold Street. The Anniversary Meeting takes place in September.
- Membership. Annual Subscription, 5s.

Papers read during Session 1901 to May 1902. Abstracts appear in the "Transactions."

Forms, illustrated with Slides and Specimens. May 6.

Carter, Dr G.—Heredity. Dec. 16.
Combe, J. N.—A Few Notes on the
Origin and Evolution of Sexual
Re-production among Plants, illustrated by Photo-micrographic Lan-

tern Slides. Feb. 24.

Denny, Prof., F.L.S.—The Development of Animals, illustrated by Lantern Slides. Apr. 6.

Bradshaw, C., F.C.S.—A Talk about Doncaster, L., B.A.—Demonstration on some Minerals and their Crystal Doncaster, L., B.A.—Demonstration on the Eyes of the Lower Animals. Jan. 8.

Giddings, C. F .- A Holiday Studya Degenerate. Mar. 6.

Keeling, Dr.—Some Ways of Looking on. Nov. 28. Sorby, Dr H. C.—Inaugural Address on the Number of small Free-Swimming Animals in Fresh and Salt Water, under different conditions. Nov. 6.

SOUTH-EASTERN UNION OF SCIENTIFIC SOCIETIES,

33 UPPER GROSVENOR ROAD, TUNBRIDGE WELLS. (ESTABLISHED 1896,)

Officers .- President: Jonathan Hutchinson, LL.D., F.R.S. General Secretary: G. Abbott, M.R.C.S., 33 Upper Grosvenor Road, Tunbridge Wells.

Membership.—Annual Subscription for Affiliated Societies not less than 5s. There are 34 Affiliated Societies.

Papers read at the Sixth Annual Congress held at Haslemere in June 1901, and published in the "Transactions," 1901, 2s. 6d.

Boulenger, A. G., F.R.S.—Presidential $\mathbf{Address}$.

Bucklin, Miss A., and Prof. A.D. Hall .-The Teaching of Nature Knowledge

in Elementary Schools.

Chambers, G. F., F.R.A.S. — Total
Eclipse of the Sun in 1901.

Dunn, S. T., B.A.—Origin of Dead Nettles in Great Britain.

Hutchinson, J., F.R.C.S.—Influence of

Use on Dead Nettles in Great Britain.

Lawn, O. H., M.A.—Cuckoos' Eggs. Martin, G. J., F.G.S .- Local Corresponding Secretaries of the Selborne

Society. Russell, Hon. R., F.R.Met.S .- Forms

of Moisture in the Atmosphere. Sarjant, Miss E.—Adaptation of Seedlings to their Surroundings.

SOUTHPORT SOCIETY OF NATURAL SCIENCE.

(FOUNDED 1890.)

Officers. - President: Harold Brodrick, M.A. (Oxon). Hon. Treasurer: C. E. Hon. Librarian: E. B. Hobson, Rockley House, Southport. Hon. Secretary: G. H. Hibbott, Briercliff, Sussex Road, Southport.

Meetings.—Held during the Winter, on the second Thursday of each month. Field Meetings held at intervals during the Summer. The Annual Meeting takes place in April.

Membership.—Annual Subscription, 5s. No Entrance Fee.

Publication. - Annual Report, price 1s. (free to Members.)

List of Papers read during Session 1901–1902.

Benson, D. E.—The Southport Electricity Works. Oct. 10.
Brodrick, H., M.A. (Oxon).—Caves.
Mar. 13.

Mar. 13.

Contie, Rev. A. L., S.J., F.R.A.S.—
New Stars. Dec. 12.
Leighton, Dr G.—British Snakes: their
Habits and Haunts. Nov. 20.

Chaster, Dr G. W .- A Neolithic Interment. Feb. 13.

New Stars. Dec. 12. Leighton, Dr G.—British Snakes: their Noton, J.—Grecian Architecture in Sicily. Oct. 10.

Thorp. T.—The Spectroscope and some of its Uses. Feb. 13.

SUNDERLAND MICROSCOPICAL SOCIETY,

SUBSCRIPTION LIBRARY.

Officers. - President: Prof. G. S. Brady, M.D., F.R.S. Secretary: F. Shillington Scales, The Elms.

Meetings.—Third Tuesday in the month, at 7.30 P.M., during Winter. The Annual Meeting is in October.

Membership.—Annual Subscription, 2s. 6d. No Entrance Fee.

Papers read during Session 1901-1902.

Problems of Pond Life. Nov.

Lebour, Prof. G. A., F.G.S.-Modern Petrology. Jan. 21.

Brady, Prof. G. S., M.D., F.R.S. - | Scales, F. S., F.R.M.S. - Demonstrations of Mounting and Embedding

Methods. Feb. 20.

Squance, T. C., M.D., F.R.M.S.—

Bone. Mar. 20.

TEIGN NATURALISTS' FIELD CLUB.

Officers. - President: J. Sparke Emery. Hon. Secretary: P. F. S. Amery, Druid, Ashburton, Devon.

Meetings. - Monthly Field Meetings during the Summer. The Anniversary Meeting takes place on the last Tuesday in April.

Membership.—Number limited to 120 (admitted by ballot). Annual Subscription, 2s. 6d.

List of Papers read during Summer Session 1901.

Adam, M.—Notes on the Churches at | Lethbridge, Sir R.—The Manor and Littlehampton, Broadhampton, and

Staverton. May 14.

Bingham, Rev. W. P. S.—The Screen and Pulpit at Kenton. Apr. 23. Elliot, Dr G. A. S .- Some Local Earthworks near Kingsbridge, probably connected with the Irishman's Raid. Jun. 18.

Church of Exbourne. Sept. 3.

Thornton, Rev. W. H .- Facts and Fancies relating to our Underground Water Supply. July 9.

Worth, R. *H.* —The Geology Ugborough Beacon. Aug. 13.

The Ruins of Okehampton Castle. Sept. 4.

TORQUAY NATURAL HISTORY SOCIETY,

MUSEUM, BABBACOMBE ROAD. (Founded 1844.)

Officers. - President: W. Odell, M.D., F.R.C.S. Hon. Secretary: Alex. Somervail.

Meetings.—Second Wednesday in each month at 8.30 P.M. The Annual Meeting is held on the last Wednesday in May.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

List of Papers read during Session 1901-1902.

On the Use and Abuse of the Terms Genus, Species, and Varieties. May

Cow, J. W.—Notes on the Wonderland of New Zealand. Jan. 8.

Fox, F., C.E.—Touring in the Dolomites. Nov. 13.

On Dane, Swiss, and other Usting Places. Mar. 12.

Atkins, A. H., B.Sc.—The Red Rocks | Fox, F., C.E.—The Italian Lakes and of the Midlands. Oct. 30. | Italian Valleys of the Alps. Apr. 9.

Humphreys, H., M.A., M.D.—On Seashore Life. Feb. 12.

Lowe, H. G., F.G.S.—Teign Valley
Notes. Aug. 7.

Northey, Rev. A. E., M.A.—Ancient Lake Dwellings in Switzerland. Sept. 25.

Somervail, A.—On the Excavation of the Teign Gorge. June 12.

Somervail, A.—Some Travel Notes. June 12.

TYNESIDE NATURALISTS' FIELD CLUB.

MUSEUM OF NATURAL HISTORY SOCIETY, BARRAS BRIDGE, NEWCASTLE-ON-TYNE. (Founded 1846.)

Officers. - President: Rev. J. M. Hick, M.A. Hon. Secretaries: Richard Howse, M.A.; R. Adamson.

Meetings. - The Anniversary Meeting takes place in April or May. Six Field Meetings occur in the Summer, and Evening Meetings in the Winter.

Membership. - Entrance Fee, 5s.; Annual Subscription, 5s.

[No Return.*]

WARRINGTON FIELD CLUB.

THE MUSEUM, BOLD STREET.

- Officers. President: F. Womersley. Secretary: A. J. Jolley, 16 Arpley Street, Warrington.
- Meetings.—First and third Fridays in each month from October to March inclusive, and irregularly during the Summer. The Annual Meeting takes place on the third Friday in March.
- Membership. —Annual Subscription, 2s.

List of Papers read during Session 1901-1902.

Burton, W.—Sea Weeds. Dec. 6.
Carruthers, G.—Choice or Chance: a
Study in Natural Selection. Mar. 7.

Jackson, A.—Bird Notes: the Robin.
Feb. 21.

Jolley, A. J.—Larval Forms: a Study for the Doctrine of Descent. Jan. 24.

Smith, J., F.L.S., M.R.I.A.—Polyzoa. Mar. 21.

White, Dr C.—On the Denudation of the Secondary Rocks in the North Western Highlands of Scotland. Oct. 4.

WOOLHOPE NATURALISTS' FIELD CLUB,

FREE LIBRARY, HEREFORD.

Officers.—President: The Rev. Sir G. H. Cornewall, Bart. Hon. Secretary: H. C. Moore, 26 Broad Street, Hereford.

Meetings.—Four Field Meetings during the Summer months, a General Meeting in December, and other Meetings when specially called for.

Membership.—Entrance Fee, 10s.; Annual Subscription, 10s.

Papers read during 1901, and published in the "Transactions."

Barker, Rev. J. —Notes on Nunslands, Luntley Court, and Grimsditch. May 28.

Blashill, T.—The 17th Century Restoration of Abbeydore Church. July 25.

Hewitt, Rev. J. B.—Notes on the Church, Pembridge, and the Detached Belfry Tower. May 28.

Leigh, The Hon. and Very Rev. J. W., D.D.—Notes on the Seals and Archives of the Hereford Cathedral. Mar. 22.

Lloyd, J.—Summary of Property belonging to Religious Houses in Herefordshire in 1558. May 28.

Pilley, J. B.—On the Abundance of the Pale-yellow clouded Butterfly, Colias hyale, in England, in 1900. June 27.

Seaton, Rev. Preb. D.—Goodrich Castle and Parish. Aug. 27.

Southall, H., F.R.Met.Soc. — The Weather in Herefordshire in the 19th Century. Aug. 27.

19th Century. Aug. 27.

Whitehead, Rev. F.—Notes on the
Church, Pembridge, and the
Detached Belfry Tower. May 28.

Detached Belfry Tower. May 28.

Wood, J. G., LL.B., F.G.S.—Notes on
the Portions of Offa's Dyke called
"The Stone-Row" and "The Rowe
Ditch." May 28.

--- Notes on The Chase and Penyard Park in relation to Dean Forest. Aug. 27.

—— The "Queen Stone" at Huntsham near Goodrich. Aug. 27.

SCOTLAND.

ANDERSONIAN NATURALISTS' SOCIETY,

ANDERSONIAN BUILDINGS, 204 GEORGE STREET, GLASGOW.

Officers. - President: H. B. Watt. Hon. Secretaries: R. B. Johnstone, 70 Cambridge Drive, Glasgow; Robert M'Lean, 289 New City Road.

Meetings. - First Friday in each month at 8 P.M. The Annual Meeting is in February.

Membership.—No Entrance Fee; Annual Subscription, 2s. 6d.

List of Papers read during Session 1901-1902.

Blair, M.—The Drainage of the Nile Paterson, J.—The Arrival of Our Valley. July 5. Summer Migrants. June 7.

Elliot, Prof. G. F. S., M.A., B.Sc., F.L.S., F.R.G.S.—The Flora of Rocks and Stones. Nov. 1. Ewing, Mrs E. R. B.—Notes on

Norwegian Alpine Plants. Apr. 4. Lee, J. R.—An Introduction to the

Study of Sphagnaceæ. Sept. 6.
n, J., F.G.S.—The Western Hebrides and Ben Nevis. Mar. 7.

Stellaria holostea and Allied

Species. Oct. 4. Service, R., M.B.O.U.—Bird Migration

in Solway. Dec. 6. Smith, W. G., B.Sc., Ph.D.-A Botanical Survey of Scotland. Apr. 5.

G.S.—The Western Wilson, Rev. A. S., M.A., B.Sc.—Self-d Ben Nevis. Mar. 7. Fertilising Flowers. May 3. Woodrow, G. M.—Some Indian Trees. June 7.

BOTANICAL SOCIETY OF EDINBURGH,

5 ST ANDREW SQUARE.

Officers. - President: Rev. Dr David Paul, M.A. Hon. Secretary: Dr W. Craig, F.R.S.E. Assistant-Secretary: J. A. Terras, B.Sc., 21 Teviot Place, Curator: Prof. B. Balfour.

Meetings.—Second Thursday in each month, from November to July inclusive. at 8 P.M. in Winter and 6.30 P.M. in Summer.

Membership.—Annual Subscription, 15s.

Publication.—Transactions and Proceedings, price 5s.

[No Return.]

EDINBURGH FIELD NATURALISTS' AND MICRO-SCOPICAL SOCIETY.

THE HALL, 20 GEORGE STREET. (INSTITUTED 1869.)

Officers. - President: A. Hewat, F.F.A. Hon. Secretary: Wm. Williamson, 4 Meadowbank Terrace, Edinburgh.

Evening Meetings. - Fourth Wednesday in each month, from November to May. Microscopical Section, fortnightly in Winter. Field Meetings, weekly in May, June, and July inclusive. The Anniversary Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription, 5s.

Publication. — Transactions, Vol. IV. Part 3 (price 4s.).

Papers read during Session 1901-1902.

Archibald, S.—Fortrose and Rose-markie. Notes on the Geology, Rose-Botany, and Antiquities of the District. Feb. 26, 1902.

Brotherston, G. M.—Notes on some

Foreign Birds I have kept. Mar.

26, 1902.

Campbell, B.—A Holiday at Ballinluig, Blair Atholl, and Fossoway, with Notes on the Birds observed there. Dec. 18, 1901.

- Lantern Slides showing (a) difference between Stock-dove and Woodpigeon, and (\$\beta\$) Nest of the great Tit in a Pheasant Feeding-box. Mar. 26, 1902.

Campbell, C.—Folk-lore of Natural History. Mar. 26, 1902. Craig, A.—A Winter in Cornwall, with Notes on the Tin and Copper Mines, Clay Works, Antiquities, etc. Apr. 23, 1902.

Crawford, W. C., F.R.S. E.—The

Grasses: an Example of Nature Study, Mar. 26, 1902. Goodchild, J. G., F.G.S.—Outline of the Geology of the Fife Coast. Apr. 23, 1902.

Malthouse, G. T.—Exhibition of Slides of "Tartar Lamb" and other

Plants. Apr. 23, 1902.

Menmuir, W. H., L.D.S., R.C.S.E.—
The Teeth of Fishes Contrasted with those of other Natural Orders. Nov. 27, 1901.

Nov. 27, 1901.

Robertson, Dr A.—The Squirrel as a Pet. Jan. 22, 1902.

Speedy, T.—The Squirrel. Dec. 18, 1901.

Sprague, Dr T. B., and Miss B.

Spragus.—Notes on the Entomostraca of Mid-Lothian. Feb. 26, 1902.

Watson, Dr.-Notes Common on Fungi. Dec. 18, 1901.

Lantern Diagrams Some Common Fungi, with Remarks. Jan. 22, 1902.

The Daisy and the Dandelion. Jan. 22, 1902.

Williamson, W .- Tea: its Cultivation, and Preparation for the Market. (Exhibits sent by Mr T. M. Elliot, Assam.) Nov. 27, 1901.

- The Hanging Gardens of Babylon (Lantern Slide from an Engraving in 1685). Mar. 26, 1902.

SCOTTISH MICROSCOPICAL SOCIETY,

PHILOSOPHICAL INSTITUTION, 4 QUEEN STREET, EDINBURGH.

Officers. - President: Dr G. Hunter, F.R.C.R.E. Secretary: W. G. Aitchison-Robertson, M.D., D.Sc., 26 Minto Street, Edinburgh.

Meetings.—Second Friday of each month, from November to June, at 8 P.M. The Annual General Meeting is in June.

Membership.—No Entrance Fee: Annual Subscription, 10s. 6d.

Publication, -Proceedings, published each Autumn, 5s.

List of Papers read during Session 1901-1902.

Cameron, J., M.B.—On the Movements of the Processes of the Retinal Pigment Cells. Mar. 14.

Forgan, W.—Various Types of the Fine Adjustments of Microscopes, with Lantern Demonstration. Dec. 13.

A Petit Photomicrographic Apparatus for Small Plates. Feb. 14.

Huie, Miss L. H .- Stained Sections of Euglena, showing Nuclear Division. Feb. 14.

Purvis, G. C., M.B., B.Sc.—Some South African Animal Diseases, with Lantern Demonstration. June 13. Robertson, R. A., M.A.-Onthe of Functional Inertia Plant Mar. 14. Protoplasm.

Simpson, S., M.D.—Secondary Degenerations following mental Lesions in the Cerebral Motor Cortex. Jan. 10. Terras, J. A., B.Sc.—New Upright

Photomicrographic Apparatus. Jan. 10.

Watson, G. W., L.D.S.—Presidential Address on the "Micro-organisms of the Mouth and their Association with Disease." Nov. 8.

SCOTTISH NATURAL HISTORY SOCIETY,

5 QUEEN STREET, EDINBURGH.

- Officers. President: Sir John Murray, K.C.B., LL.D. Secretary: H. H. Brown, 50 Dick Place, Grange, Edinburgh.
- Meetings. First Thursday of the month, at 8 P.M., unless otherwise stated. Field Excursions on alternate Saturdays in the Summer.
- Membership.—Annual Contribution, 5s.; Composition Fee, £2, 10s. No Entrance Fee.
- Publication.—Transactions, published annually, 5s. per volume. copies of each communication in pamphlet form may also be had, by arrangement, shortly after the reading of the paper.

List of Papers read during Session 1901-1902.

Brock, A. J.—The Etymology of | Morris, D. B.—Man and Nature in the English Plant Names. June 6.

Clark, *I*., of D.Sc.—Personal W. Incidents Mountaineering. Nov. 28.

J. B., F. R. S. E. —Recent Important Changes in the Avifauna of the Forth Area. June 6.

Drummond, W. B., M. B.—Life-history of a Red Blood Corpuscle. Oct. 3. Goodchild, J. G., F.G.S.—Ants. Apr.

Hoyle, W. E., M.A. - Card Catalogues and their Application. July 4. M'Rae, J., M. A.—The Flora of Arthur's Seat. Feb. 6.

Forth Valley. May 23.

Munro, R., M.D.—Pre-historic Kitchen Middens and what they teach us.

Murray, Sir J., K.C.B., F.R.S.—Phosphatic and Glauconite Deposits and their Distribution at the Surface of the Earth. May 2.

Newbigin, Miss M. I., D.Sc.—Green Colouring Matter in Animals.

Peach, B. N., F.R.S.S.L. & E.—The Cambrian Fauna of the North-West of Scotland. Feb. 13.

Serle, Rev. W. M., M.A.—The Migration of Birds. Jan. 9.

DUNDEE NATURALISTS' SOCIETY,

UNIVERSITY COLLEGE. (Founded 1872.)

Officers. - President: Prof. E. W. Reid, B.A., F.R.S. Hon. Secretaries: A. P. Stevenson, 10 New Inn Entry; J. B. Corr, 43 Nethergate.

Meetings. - Fortnightly on Thursday evenings from October to April. The Annual Meeting takes place in May.

Membership.—No Entrance Fee; Annual Subscription: Members, 5s.; Associates, 10s. 6d.

List of Papers read during Session 1901-1902.

Aimer, J.—The Habits of Fishes. Dec. 19.

F.R.S.E., F.G.S.-Durham, J., Mar. 6.

Vesuvius. Mar. 6.
Ireland, D.—Woodland Studies: the Story of the Seasons in Photo-graphy. Dec. 5.

Kerr, R. N., F.E.I.S.—Strange Nests

and Eggs. Mar. 20.

Millar, A. H., F.S.A. Scot.—J. Bow-

Lindsay: his Scientific man Work. Apr. 3. Reid, E. W., F.R.S.—The Physiologi-

cal Value of Salts. Nov. 21.

Stevenson, A. P .- William Gardiner, Umbrella-maker and Botanist,

1808-1852. Feb. 20.

Wigner, J. H., Ph.D.—Mountaineering at Home and Abroad. Feb.

GLASGOW, MICROSCOPICAL SOCIETY OF,

207 BATH STREET. (FOUNDED 1886.)

- Officers.—President: Dr James Rankin. Hon. Secretaries: D. Kyle, M.A., B.L., 36 Sutherland Terrace, Hillhead; and J. Gunn, B.L., 37 Bath Street.
- Meetings.—Ordinary Meetings are held on the third Tuesday of each month, from September to April inclusive. The Anniversary Meeting takes place in October.

[No Return.]

NATURAL HISTORY SOCIETY OF GLASGOW,

207 BATH STREET. (FOUNDED 1851.)

- Officers.—President: Alex. Somerville, B.Sc., F.L.S. Hon. Secretary: John James Robertson, 9 Queen Mary Avenue, Crosshill.
- Meetings.—Ordinary Meetings are held on the last Tuesday of the month, during the Session, at 8 P.M., and at intervals in Summer months. The Anniversary Meeting takes place in October.
- Membership. Annual Subscription, 7s. 6d.; Associates, 5s.

[No Return.]

GREENOCK NATURAL HISTORY SOCIETY.

WATT INSTITUTION, KELLY STREET. (Founded 1878.)

- Officers. President: Dr J. K. Robertson. Hon. Secretary: G. W. Niven, 23 Newton Street.
- Meetings.—Last Thursday in each Winter month at 8.15 P.M. The Annual Meeting takes place in September.

Membership.—Entrance Fee, 5s.; Annual Subscription, 5s.

List of Papers read from January 1901 to April 1902.

Niven, G. W.—Note on Dundas Rennie, T.—Mimicry in Butterflies.
Treasure Chest. Mar. 28.

Robertson, Dr J. K.—The Nervous System in Animals. Nov. 28.

KIRKCALDY NATURALISTS' SOCIETY,

196 HIGH STREET. (FOUNDED 1882.)

- Officers. President: W. D. Sang, C.E. Hon. Secretary: William Young, Fairview. Hon. Assistant Secretary: S. Stewart, F.I.C., 2 Salisbury Street.
 - Meetings.—Fortnightly, on Tuesdays, at 8 P.M. The Anniversary Meeting takes place in April.
 - Membership.—Number of Members, 176. No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901-1902.

Blackstock, W. S.—The Folk-lore of Ewing, P., F.L.S.—The Botany of the Plants. Mar. 10.

Goodchild, J. G., F.G.S., F.Z.S.—
Lectures on the "Geology of the Coast of Fife"—(1) Recent Changes of Life and Land; (2) the Age of Snow; (3) the Latest Volcances of the British Islands; (4) the Carboniferous Period; (5) the Old Red Sandstone. Oct. 1, 8, 15, 22, and 29.
— Lectures on "The Evolution of

Scottish Scenery"—(1) the Evolution of the Scottish Coast Line; (2) the Mountains and Lowlands; (3) Scottish Rivers and River Valleys; (4) the Lochs and River Gorges of Scotland; (5) the Evolution of the Minor Features of the Surface. Feb. 3 and 17, and Mar. 3, 17, and 31.

MARINE BIOLOGICAL ASSOCIATION OF THE WEST OF SCOTLAND,

KEPPEL PIER, MILLPORT, ISLAND OF CUMBRAE, N.B. (FOUNDED 1893.)

Officers.—President: James F. Gemmill, M.A., M.D. Hon. Treasurer: Alex. Somerville, B.Sc., F.L.S., 4 Bute Mansions, Hillhead, Glasgow. Joint Hon. Secretaries: John A. Todd, 190 West George Street, Glasgow; David Robertson, 95 Bath Street, Glasgow. Curator: Alex. Gray, Millport.

Meetings. -The Annual Meeting takes place in February.

Maintenance.—From Fees charged for use of Laboratory Tables, Admission to Robertson Museum (1d. each), and Membership Subscriptions (minimum 21s.) and Donations.

Publication.—Annual Report.

[No Return.]

OLD KILPATRICK NATURALIST AND ANTI-QUARIAN SOCIETY,

OLD FREE CHURCH SCHOOL ROOM, OLD KILPATRICK.

Officers.—President: Rov. Robert Munro, B.D. Secretary: David Andrew, Mount Pleasant Place.

Meetings.—First Monday in each Month, from September to May inclusive, at 7.30 p.m. The Anniversary Meeting is held in May.

Membership.—No Entrance Fee. Subscription: Ladies, 1s.; Gentlemen, 2s. 6d.

[No Return.]

PERTHSHIRE SOCIETY OF NATURAL SCIENCE,

TAY STREET, PERTH. (FOUNDED MARCH 1867.)

Officers.—President: Henry Coates, F.R.S.E. Secretary: S. T. Ellison, 56 South Methyen Street.

Meetings.—Second Thursday in each month at 8 P.M., from November to April inclusive. The Anniversary Meeting takes place in March.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 5s. 6d.

Papers read during Session 1901-1902. Those marked * will be published in "Transactions,"

Bates, H., F.R.S.E. — President's | Leslie, J.—The History and Culture of Annual Address. Mar. 13, 1902.*

Mackenzie, Sir A. Muir, Bart. - An | Account of the Excavations carried out at the site of the Roman Camp at Inchtuthill. Nov. 14, 1901.*

Macnair, P. — The Geology and Mineralogy of Creag-na-Caillich.

Jan. 9, 1902.*

Menzies, J.— "Agarics"; Notes on certain Perthshire Fungi. Feb. 13, 1902.*

Rodger, A. M.—An Account of the International Zoological Congress at Berlin and of the Museums of North Germany and Denmark.

Dec. 12, 1901. Stewart, J., L. D. S.—The Blood Vascular System in Animals.

Urquhart, Dr A. R.—The Criminal. Dec. 12, 1901.

IRELAND.

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

PHŒNIX PARK, DUBLIN. (Founded 1831.)

- Officers. President: The Right Hon. Earl Roberts, K.G., V.C., K.P. Secretary: D. J. Cunningham, D.C.L., F.R.S., Trinity College, Dublin.
 - Meetings. The Council meets every Saturday. Anniversary Meeting, first Tuesday in February.

Membership.—Entrance Fee, £1; Annual Subscription, £1.

Publication, -Annual Reports; Sketch of the Origin and Early History of the Society.

DUBLIN UNIVERSITY BIOLOGICAL ASSOCIATION.

TRINITY PLACE, NEW BUILDINGS, TRINITY COLLEGE.

- Officers. President: R. T. Smith, M.D., F.R.C.P.I. Secretaries, Corresponding: S. S. Pringle, B.A.; Recording: J. M. Holmes, B.A., Trinity College Medical School.
- Meetings.—On alternate Thursdays from November to May. The Annual Meeting is held during last week in November.
- Membership. Entrance Fee, nil. Annual Subscription, 5s.

List of Principal Papers read during Session 1901-1902.

Collins, J. R., M.B.—The Cancer Question. Dec. 5.

Dixon, H. H., D.Sc.—The Resistance of Protoplasm to Extremes of Heat

and Cold. Mar. 20. Dougan, H., M.B., D.P.H.—The Biological Treatment of Sewage. D.P.H.—The Nov. 21.

Earle, H. C., M.D., F.R.C.P.I.-Human Actinomycosis. Dec. 19. Ellison, F. O'B., B.A. - Symbiosis. Feb. 6.

Harvey, W. G., B.A.—Sex, and its relation to Evolution. Jan. 23.

Holmes, J. M., B.A.-Hypnosis and its Application to Medicine. Feb. 20.

Joly, J. S., B.A.—Pernicious Anæmia: its Actiology, Pathology, and Treatment, Mar. 20. Smith, R. T., M.D., F.R.C.P.I.—An

Apology for Bacteria, (Inaugural Address.) Nov. 14.

DUBLIN MICROSCOPICAL CLUB,

ROYAL DUBLIN SOCIETY HOUSE, KILDARE STREET.

Officers. - President: Prof. J. A. Scott, M.A., M.D. Secretary: F. W. Moore, A.L.S., Royal Botanic Gardens, Glasnevin, County Dublin.

Meetings.—Ordinary Meetings are held on the Second Wednesday in each month, from October to May inclusive, in the Council Room of the Royal Dublin Society, Kildare Street. The Proceedings are reported monthly in the Irish Naturalist.

Membership. - Annual Subscription, 10s.

[No Return.]

DUBLIN NATURALISTS' FIELD CLUB,

ROYAL IRISH ACADEMY, 19 DAWSON STREET.

Officers. - President: W. F. de V. Kane, M.A., D.L. Hon. Secretaries: H. Seymour, B.A., F.G.S.; W. B. Wright, B.A., 14 Hume Street,

Meetings. - Second Tuesday, November to April. Excursions in Summer months. The Annual Meeting is in January.

Membership.—Entrance Fee, 5s.; Annual Subscription, 5s.

List of Papers read during Session 1901-1902. Those marked * are published in the "Irish Naturalist," monthly, 6d.

Burbidge, F. W., M. A., F. L.S. - Nature | Kane, W. F. de V., M. A., D. L. - Pre-Knowledge, or Hints to Young Col-Feb. 11.

lectors. Feb. 11.
Cole, Prof. G. A. J., F.G.S.—The
Conglomerate of Lisbellaw, County Fermanagh, Feb. 11.

Ellison, F. O'B .- The Development of the Flower in Samolus valerandi (Brookweed). Apr. 8.

sidential Address. Jan. 14.* Nelson, R. H. - Fossils and Fossilisation.

Dec. 10. Praeger, R. Ll., B.A. — Recent Additions to "Irish Topographical Botany." Nov. 19.*

Ussher, R. J., J.P.—Birds' Architecture and Breeding Habits. Dec. 10.* Wright, W. B., B.A.—The use of a Waterfall. Nov. 19.*

IRISH FIELD CLUB UNION.

(FOUNDED 1895.)

Officer. - Secretary: R. L. Praeger, National Library of Ireland, Dublin. The Irish Field Club Union is formed by a coalition of the Naturalists' Field Clubs of Belfast, Dublin, Cork, and Limerick, and is managed by a Joint Committee. Its object is to encourage the study of Natural Science in Ireland, and to promote mutual intercourse between the Irish Field Clubs.

SECTION VI.

ECONOMIC SCIENCE AND STATISTICS.

LONDON.

ROYAL STATISTICAL SOCIETY,

- 9 ADELPHI TERRACE, STRAND, W.C. (FOUNDED 1834. INCORPORATED BY ROYAL CHARTER, 1887.)
- Officers. President: Major P. G. Craigie. Treasurer: R. B. Martin, M.A., M.P. Hon. Secretaries: Major P. G. Craigie; N. A. Humphreys; and J. A. Baines, C.S.I. Hon. Foreign Secretary: Major P. G. Craigie. Secretary and Editor of Journal: B. W. Ginsburg, M.A., LL.D. Chief Clerk and Librarian: J. A. P. Mackenzie.
- Meetings.—Third Tuesday in each month, from November to June, generally at the Society's Rooms, at 5 P.M. The General Meeting takes place in June.
- Membership.—No Entrance Fee; Annual Subscription, Two Guineas; Composition Fee, 20 Guineas.
- List of Papers contributed during Session 1901-1902, and published in the quarterly "Journal," price 5s. Those marked * were not read before the Society, but appear in the "Journal" for the months stated.
- Atkinson, F. J.—A Statistical Review of the Income and Wealth of British India. Feb. 18.

 Avebury, Lord.—The President's Annual Address (Local and Imperial
- Burdens). Nov. 19.

 Bailey, A. H.—New Table of Mortality.

 June 1901.*
- Baines, J. A.—The Indian Census.
 June 1901.*
- Census Notes. Sept. 1901.*
- Bowley, A. L.—The Statistics of Wages in the United Kingdom during the last hundred years, Mar. 1901 and Mar. 1902.*
- Brabrook, E. W .- Wages in the Cotton
- Industry of Ghent, according to Sex and Age. June 1901.*

 Craigie, Major P. G.—The International Statistical Institute at Buda Pesth. Dec. 1901.*
- Forille, A. de.—La Statistique et l'opin-ion. Dec. 1901.*
- Giffen, Sir R.—The Importance of General Statistical Ideas. Sept. 1901.*

- Giffen, Sir R.—A Financial Retrospect, 1861-1901. Mar. 18.
- Ginsbury, Benedict W. — Shipping Subsidies. Sept. 1901.*
- Glover, Sir J.-Tonnage Statistics of the Decade, 1891-1900. Jan. 21. Guyot, Yves.—The Sugar Industry on
- the Continent. May 27.

 Hayward, T. E.—On the Methods
 available for Calculating Mean
 Numbers of Population. Sept.
- 1901.*
- A Series of Life Tables of England, and Wales, calculated by an abbreviated method. Dec. 1901.*
- Hooker, R. H .- The Suspension of the Berlin Produce Exchange, and its Effect upon Corn Prices. Dec. 17. - Correlation of the Marriage Rate
- with Trade. Sept. 1901.*
 Sauerbeck, A.—Prices of Commodities in 1900 and in 1901. Mar. 1901 and Mar. 1902.*
- Waters, A.C.-A Method of Estimating Mean Populations in the Last Intercensal Period. June 1901.*

10

- Welton, T. A .- A Study of some Portions of the Census of London for 1901. June 17.
- --- On the Preliminary Report as to the Populations of England and Wales in 1901. Dec. 1901* Willcox, W. F.—Note on American
- Census Practice. Sept. 1901.*
- Wood, G. H .- Factory Legislation, considered with reference to the Wages, etc. of the Operatives
- protected thereby. Apr. 15.
 Changes in Average Wages in
 New South Wales, 1823–1898. June 1901.*

INSTITUTE OF CHARTERED ACCOUNTANTS IN ENGLAND AND WALES.

MOORGATE PLACE, E.C.

(INCORPORATED BY ROYAL CHARTER, 11TH MAY 1880.)

- Officers.—President: A. A. James, F.C.A. Vice-President: F. W. Pixley, F.C.A. Secretary: The Hon. G. Colville, B.A., Moorgate Place, E.C. Librarian: T. A. Onions, B.A.
- Meetings. The Annual Meeting takes place in May.
- Membership,—Entrance Fees: As Fellow, 20 Guineas; as Associate, 10 Guineas; Annual Certificate Fees: Fellow, London, 5 Guineas; Fellow, Country, 3 Guineas; Associate (in practice), London, 2 Guineas; Associate (not in practice), London, 1 Guinea; Associate, Country, 1 Guinea. Annual Subscriptions: Fellow, 2 Guineas; Associate, 1 Guinea.
- Publications. Charter of Incorporation, Bye-Laws, Report and Accounts, and List of Members, 2s., Examination Papers (gratis), Proceedings and Resolutions of the Seventh Provincial Meeting, held at Birmingham, October 1901, 1s.

List of Papers read at above Meeting.

Fisher, W. N., J. P., F.C. A.—President's Address.

under Companies Act. 1900.

and Responsibilities of Auditors

Gibson, A. H., F.C.A.—The Status James, A. A., F.C.A.—The Divisible Profits of Companies.

THE CHARTERED ACCOUNTANTS' STUDENTS' SOCIETY OF LONDON.

1A FREDERICK'S PLACE, OLD JEWRY, E.C.

- Officers, -President: Edwin Waterhouse, M.A., F.C.A. Hon. Secretary: S. G. Cole, A.C.A.
- Meetings. -On Wednesdays, at 6 P.M. The Annual Meeting takes place during the Spring.
- Membership, -Entrance Fee: Ordinary Members, 5s.; Annual Subscriptions: Honorary Members in Practice, £1, 1s.; Ordinary Members, 10s. 6d.

Publication. — Transactions.

List of Papers read during Session 1901-1902, and published in "Transactions," price 4s, annually.

Atkins, R. W.—Negotiable Instru- | Dodd, A. F., F.C.A.—Corn Options ments. Nov. 6. Colefax, A.—The Companies Act, 1900.

Feb. 27.

and Cotton Futures: their Object and Effect on Commercial Transactions. Apr. 17.

Fincham, R. F. W., F.C.A.-The Amalgamation of Head Office and Branch Balance Sheets: with special reference to the Elimination of Internal Branch Balances. Nov.

Pixley, F. W., F.C. A. - The Companies Act, 1900, from an Auditor's point of view. May 22.

Price, E. E., F.C.A.-Ledger Posting on the Slip System. Dec. 11. Price, F. G., F.C.A.-Flour Milling

Accounts. Apr. 24.
Stedman, L.—Reading of Prize Essay.— Vouchers, with special regard to Cases where the ordinary Receipt is not obtainable, or is insufficient. Dec. 18.

THE SOCIETY OF ACCOUNTANTS AND AUDITORS,

4 KING STREET, CHEAPSIDE, E.C. (INCORPORATED 1885.)

Officers. - President: C. H. Wilson. Secretary: J. Martin.

Meetings. - Second Tuesday in each month, from November to March. The Anniversary Meeting takes place in May.

Membership.—Entrance Fee: Fellow, £10, 10s.; Associate, £5, 5s.; Student, £1, 1s. Annual Subscription: Fellow, £2, 2s.; Associate, £1, 1s.; Student, 10s. 6d.

Meeting. -The Anniversary Meeting is held in March.

Publications.—List of Members, with Articles, Byelaws, Examination Papers, and Library Catalogue (Annually), price 2s. Incorporated Accountants' Journal (Monthly), price 8d. Examination Papers (Half-Yearly), price 6d.

Papers read at Glasgow Conference, Thursday and Friday, September 5th and 6th, 1901, and published in the "Journal," monthly, 8d.

Carr. E.—The Duties and Responsibilities of Auditors. Selkirk, J. L.—Some Notes on the

Nature and Scope of the Work of a Professional Accountant.

INCORPORATED ACCOUNTANTS' STUDENTS' SOCIETY OF LONDON.

4 KING STREET, CHEAPSIDE, E.C.

Officers. - President: J. Cooper. Hon. Secretary: W. Southwood Smith, A.S. A.A.

Meetings.—The Anniversary Meeting takes place in January. Lectures and Discussions, Fortnightly during March, April, May, September, October, and November.

Membership.—Entrance Fee, 5s.; Annual Subscription: Hon. Members in Practice, 10s. 6d.; Hon. Members not in Practice and Ordinary Members, 5s.

Publication. — Transactions, yearly, 3s. 6d.

Papers read during Session 1901–1902.

Cohen, H., M.A.—The Law of Cheques. Mar. 18.

Cooper, J., J.S.A.A.—Presidential Address. Feb. 18, 1902.

Crane, A. C.—Books of Account, from a Legal Standpoint. Apr. 2.

Morgan, H.—The Procedure in the Complete Audit of the Accounts of a Commercial Firm. Apr. 15.

Rayner, W.G., F.S.A.A.—The Working of the Companies Acts. Mar. 5.

Showell, E., A.S.A.A.—Costs \boldsymbol{A} . Nov. 5. Accounts.

Warren, W. R., LL. B. - Notable Points in Partnership Law. Oct. 23.

eeler-Meats, T., A.S.A.A.—The Preparation of a Student for the Wheeler-Meats, Accountancy portion of the Final Examination. Nov. 13.

INSTITUTE OF BANKERS,

- 34 CLEMENT'S LANE, LOMBARD STREET, E.C. (FOUNDED 1879.)
- Officers. President: Rt. Hon. Lord Hillington. Secretary: W. Talbot Agar, 34 Clement's Lane, E.C.
- Meetings. Usually on the first Wednesday in each month, from November to May inclusive, at the London Institution, Finsbury Circus, at 6 P.M. The Anniversary Meeting takes place in May.
- Membership.—Annual Subscription: Fellows, 42s.; Associates, 21s.; Ordinary Members, 10s. 6d.
- List of Papers read during Session 1901-1902, and published in the monthly "Journal," 1s. 6d. (usually in the month following delivery).
- Phillips, M. Emergency Issues of | Tritton, J. H. The Short Loan Fund Notes and Tokens. Nov. 6.

 Rozenrand, C.— The International
 Money Market. Mar. 5. of the London Money Market. Feb. 5.

INSTITUTE OF ACTUARIES.

STAPLE INN HALL, HOLBORN, W.C. (Incorporated by ROYAL CHARTER, JULY 29, 1884.)

- Officers .- President: W. Hughes. Hon. Secretaries: F. Schooling and G. Todd, M.A. Assistant-Secretary: S. H. Jarvis.
- Meetings. Last Monday in each month, from November to April inclusive, at 5.30 P.M. The Anniversary Meeting takes place in June.
- Membership.—Entrance Fee: Students, £1, 1s.; Annual Subscription, One, Two. or Three Guineas, according to class of Membership.
- Publications 1901-1902. Institute of Actuaries' Text Book, Part I. Interest (including Annuities-certain), New edition, by R. Todhunter, M.A., 10s. 6d. Life Contingencies (including Life Annuities and Assurances), 31s. 6d.
- List of Papers read during Session 1901-1902, and published in the "Journal of the Institute of Actuaries," price 2s. 6d. each quarterly part (Layton).
- Ackland, T. G.—The British Offices' Life Tables, 1893: an Investigation of the Rates of Mortality in Different Classes of the Assurance Experience, and of the Resulting Net Premiums and Policy-Reserves. Mar. 24.
- Burridge, A. F.—Vaccination and the Act of 1898. Apr. 28.

 M'Gowan, J.—An Inquiry into the Methods and General Principles to be Adopted in Calculating the Parks of Cartribution on Parent Rates of Contribution, or Percentage Deductions from Salary, in the
- Case of Superannuation Funds and Pension Funds generally. Dec. 30.
- Nicoll, J .- The Actuarial Aspects of Recent Legislation, in the United Kingdom and other Countries, on the Subject of Compensation to Workmen for Accidents. (Brown
- Workmen for Accidents. (Brown Prize Essay, 1900.) Jan. 27.

 Ryan, G. H.—The Case for Census Reform. Nov. 25.

 Warner, S. G.—Some Notes on the Net Premium Method of Valuation, as affected by recent Tendencies and Developments. Feb. 24.

EAST INDIA ASSOCIATION.

WESTMINSTER CHAMBERS, 3 VICTORIA STREET, S.W.

(FOUNDED 1866.)

Officers. - President: The Right Hon. Lord Reay, G. C.S.I. Chairman of Council: Sir Lepel Griffin, K.C.S. l. Secretary: C. W. Arathoon,

Meetings .- The Anniversary Meeting is in May.

Membership.—No Entrance Fee; Annual Subscription, 25s.

Papers read during Session 1901-1902. Those marked * are published in the "Journal," on the date given, price 1s.

Dr-Is the Educational System of India a Failure? Dec. 2. Jan. 1902.*

Griffin, Sir L.-India and South Africa. Apr. 29.

Pennington, J. B.—The Indian Civil Service, and the Further Admission of Natives of India. Feb. 10. Apr. 1902.*

Rogers, A .- The Spread of Municipal

Ideas in India. Jan. 28. Apr. 1902.*

Thorburn, S. S .- Education by Newspaper. May 19.

Whish, C. W.—Agricultural Banks in

India. June 9.

Wilson, Sir R., Bart.—Is State-aided Education in any Shape suitable to the Present Condition of India? Feb. 26. Apr. 1902.

COUNTRY.

THE BIRMINGHAM AND MIDLAND SOCIETY OF INCORPORATED ACCOUNTANTS.

71 COLMORE ROW, BIRMINGHAM.

Officers. - President: J. W. Blackham, F.S.A.A. Hon. Secretary: C. F. Sharp, A.S.A.A., 71 Colmore Row, Birmingham.

Meetings. - Ordinary Meetings are held at such times as the Committee think fit. The Annual Meeting is held in February.

Membership.—Annual Subscription, 10s. 6d. No Entrance Fee.

List of Papers read during Session 1901-1902.

Dorsett, S. S .- Receivers. Pearson, F. S., LL.B.—The Law Relating to the Formation of Joint Stock Companies.

Wilson, G. B., B.A.—Partnership Agreements. Woolett, C., A.S.A.A.—Part 3 of the Bankruptcy Act.

LIVERPOOL AND DISTRICT SOCIETY OF INCORPORATED ACCOUNTANTS.

22 LORD STREET.

- Officers.—President: J. J. Burnley, F.S.A.A. Hon. Treasurer: W. E. Nelson, F.S.A.A. Hon. Secretary and Librarian: C. Hewetson Nelson, F.S.A.A., 22 Lord Street, Liverpool.
- Membership.—The Subscription is 10s. 6d. per annum. Any Member of the Society of Accountants and Auditors (incorporated 1885) is eligible for Membership.

Lectures delivered before the Society during Session 1901–1902.

10, 1901.

Nelson, C. H., F.S.A.A.—Methods of Preparation for Accountancy Examinations. Feb. 19, 1902.

Burnley, J. J., F.S.A.A.—Presidential Address, Oct. 30, 1901.

Burnley, W. E., B.A.—Money. Dec. Nov. 13, 1901.

Smith, W., A.S.A.A.—The Audit of Friendly Society Accounts. Jan. 23, 1902.

MANCHESTER STATISTICAL SOCIETY.

63 BROWN STREET. (FOUNDED 1833.)

Officers. - President: Sir W. H. Houldsworth, Bart., M.P. Hon. Secretaries: F. E. M. Beardsall; T. Gregory, 32 York Street.

Meetings.—Second Wednesday in each month, from November to June, at 6 P.M. The Anniversary Meeting takes place in June.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

Papers read during Session 1901-1902. Those marked * are published in the "Transactions," price 3s. 6d.

Chapman, Prof. S. J., M. A. — Education for Public and Business Life.

Hesse, M .- The Effective Use of Charitable Loans to the Poor without Interest. Nov. 6.

Houldsworth, Sir W. H., Bart., M.P. -Public House Licenses. Dec.

Rothwell, W. T .- Present Difficulties in Connection with our

Gallery, Reference Library, and our

Royal Infirmary. Jan.
Swan, Chas. H.—An International
Gold Coinage. Jan. 22.

Welton, T. A.—The Distribution, Growth, and Decay of Towns, 1801-1901, Mar. 19.

Imer, H. E.—The Metrical, Decimal, and Imperial Systems of Wollmer, Weights and Measures and the Decimal System of Coinage. Jan. 22.

THE MANCHESTER AND DISTRICT SOCIETY OF INCORPORATED ACCOUNTANTS,

57 KING STREET, MANCHESTER. (FOUNDED 1886.)

Officers.—President: A. E. Piggott, F.S.A.A. Hon. Secretary: J. L. Worthington, F.S.A.A., 57 King Street.

Meetings.—The Anniversary Meeting is held in September. Ordinary Meetings at 6.30 P.M.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 10s. 6d.

List of Papers read during Session 1901-1902.

Helm, E.—Free Trade and British | Minor, P. S.—Part of the Law relating Industrial Interests. Feb. 12. | to Women. Apr. 9.

Wragg, E. A. W., LL.B.—Receivers. Mar. 12.

NEWCASTLE-ON-TYNE AND DISTRICT SOCIETY OF INCORPORATED ACCOUNTANTS AND AUDITORS.

CLAYTON CHAMBERS, 61 WESTGATE ROAD.

Officers .- President: I. B. Reid, F.S.A.A. Secretary: R. Smith. Librarian: M. D. Forster, F.S.A.A.

Meetings.—The Annual Conference for the current year was held on 15th May.

Membership.—Fellows: 5s. annually; Students: 2s. 6d.

The following Papers were read before the Society during Session 1901-1902.

Darnell, E., A.S.A.A.—Tramway Accounts. Feb. 21. Ranking, Dr D. F. de l'H.—Bank. ruptcy, with Special Reference to Recent Decisions. Nov. 8.

SHEFFIELD AND DISTRICT SOCIETY OF INCOR-PORATED ACCOUNTANTS,

11 FIGTREE LANE, SHEFFIELD.

(FOUNDED 1887.)

- Officers.—President: J. H. Freeborough. Hon. Secretary: Henry Toothill, F.S.A.A., 11 Figtree Lane.
- Meetings.—The Anniversary Meeting is held in October. No special time for ordinary Meetings.

Membership. - Entrance Fee, 5s.; Annual Subscription, 10s. 6d.

SOUTH WALES AND MONMOUTHSHIRE SOCIETY OF INCORPORATED ACCOUNTANTS,

VICTORIA CHAMBERS, 18 QUEEN STREET, CARDIFF.

- Officers.—President: I. J. Roberts, F.C.A., F.S.A.A. Secretary: C. Drinkwater, A.S.A.A., Caledonian Chambers, St Mary Street.
- Meetings.—The Anniversary Meeting is held in February. Ordinary Meetings are held on the fourth Friday in the month from November to April.

Membership. - Annual Subscription, 10s. 6d.

THE INCORPORATED INSTITUTE OF MUNICIPAL TREASURERS AND ACCOUNTANTS,

TOWN HALL, WEST HAM.

- Founded in 1885 as the Corporate Treasurers and Accountants Institute, and Incorporated under its present Title in 1901.
- Officers.—President: W. S. Carver. Hon. Secretary: F. E. Harris, Borough Treasurer, Town Hall, West Ham.
- Membership.—Members pay 21s. Entrance Fee, and 21s. annually; for Associates the amount is 10s. 6d. in each case, and for Students 5s. in each case. The Institute is empowered to hold examinations in, and grant awards for proficiency in Accountancy, Municipal Finance, and kindred subjects.
- Publication during 1901.—Annual Report, 5s.

Papers read at the Annual Meeting, held on July 25 and 26, and published in the "Report."

Barrow, R.—The Acquisition of Tramway Undertakings by Municipal under the London Government Act, Authorities.



Acquisition Act.

Haward, H. E.—Notes on the Income Tax Case of the London County Council.

Dyer, C. E.-The Small Dwellings | Penn-Lewis, W.-The Use of Sinking Funds for New Capital Purposes.

A.—The Depreciation Towers. Electricity Works and Plant.

YORKSHIRE DISTRICT SOCIETY OF INCORPOR-ATED ACCOUNTANTS.

5 PARK ROW, LEEDS. (FOUNDED 1894.)

Officers, -President: Charles H. Wilson, F.S.A.A. Hon. Secretary: W. J. Slater, A.S.A.A., 5 Park Row, Leeds.

Membership, -Subscription: Full Membership, 5s.; Students, 2s. 6d. per annum.

The following Lectures were delivered during the Session 1901-1902.

Armstrong, R.--Partnership

Feb. 19. Culpin, H., A.S.A.A.—Cost Keeping. Dec. 18.

Farr, W. E.—Principal and Agent. Jan. 15.

Law. | Halliday, C. S., A.S. A. A. —Insolvency. Nov. 20.

Income Tax Returns and Appeals. Mar. 19,

Scriven, C .- Contracts of Suretyship and Guarantee. Apr. 16.

THE INSURANCE INSTITUTE OF YORKSHIRE

PHILOSOPHICAL HALL, PARK ROW, LEEDS. (Founded 1888.)

Officers .- President: P. L. Newman. Hon. Secretary: E. Bagshaw, Phoenix Fire Office, 8 Park Row.

Meetings. - The Anniversary Meeting is held in May. Ordinary Meetings are held at various dates from October to March.

Membership.—Members: Section I., 21s.; Section II., 10s. 6d.; Associates, 5s. Publication, 1901. -- Annual Report, 2s.

List of Papers read during Session 1901-1902.

Discussion, on Municipal Fire Insurance, | Newman, P. L., B.A.—New Com-opened by Mr W. A. Bingham, | bined Mortality Experience of Ĵan. 31.

- Fire Extinguishing Appliances, opened by Mr T. C. Metcalf. Jan. 31.

Eckford, J. P .- Potteries and Allied Trades. Jan. 17.

Life Assurance Offices. Feb. 18.

Young, W. M'G., M.D.—Some Problems in Medical Examination for Life Assurance. Mar. 21.

SCOTLAND.

THE CHARTERED ACCOUNTANTS STUDENTS' SOCIETY OF EDINBURGH.

HALL OF THE SOCIETY OF ACCOUNTANTS, 27 QUEEN STREET.

(CONSTITUTED 28RD JUNE 1886.)

Officers. -Hon. President: Francis More. Joint-Hon. Secretaries: P. A. Guthrie and N. Cairns, 42 Castle Street.

Meetings.—Ordinary Meetings held once in each month, from October to March inclusive, as convened by the Committee.

Membership, -Annual Subscription, 2s. 6d. No Entrance Fee.

List of Papers read during Session 1901-1902, and published in Vol. XIII. of "Transactions," price 1s. net.

.Smith, W. C., LL.B.—Dividends and Capital. Nov. 28.
.Walker, W. H., F.C.A.—Causes and

Effects of the recent Bank Crises in Newfoundland and the Isle of Man. Feb. 21.

SCOTTISH SOCIETY OF ECONOMISTS.

(Founded in Edinburgh in 1897.)

- Officers.—President: Prof. J. Shield Nicholson, D.Sc. Hon. Secretary: G. W. Currie, C.A., 18 St Andrew Square. Hon. Treasurer: T. J. Millar, C.A.
- Meetings.—These have been held through the courtesy of the Society of Accountants in Edinburgh in their Hall at 27 Queen Street, every month during the Winter.
- Membership.—Annual Subscription, 5s. No Entrance Fee.

List of Papers read during Session 1901-1902.

Carman, Prof. E.—Local Taxation.
Graham, W.—Theory of Foreign Exchanges.

Machardy, Lt.-Col.—Economics of Crime in Ireland.

IRELAND.

THE SOCIETY OF INCORPORATED ACCOUNTANTS IN IRELAND,

12 COLLEGE GREEN. (FOUNDED 1901.)

Officers. - President: E. Kevans, F.S.A.A. Hon. Secretary: F. W. Kenny, A.S.A.A.

Meetings.—Meetings are held at such times and places as the Committee of Management may decide. The Annual Meeting is held in September.

Membership. - Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

STATISTICAL AND SOCIAL INQUIRY SOCIETY OF IRELAND,

35 MOLESWORTH STREET, DUBLIN. (Founded 1847.)

Officers. — President: His Honor Judge J. J. Shaw. Hon. Secretaries: J. Pim; W. Lawson, LL.D.; C. H. Oldham; W. M. Falkiner, M.D.; Assistant Secretary: Miss Ling.

Meetings.—Usually the third Friday in each month, from November to June inclusive, at 8.15 p.m. The Anniversary Meeting takes place in November.

Membership.-No Entrance Fee; Annual Subscription, 20s.

Publication-Journal, Vol. XI., Part 81, 1s.

List of Papers read during Session 1901-1902. Those marked * are published in the "Journal."

Lawson, W.—Licensing and Public House Reform in Ireland. Feb. 28. Oldham, C. H.—Technical Education for Commerce. Jan. 31.* Shaw, His Honor Judge.—The Limits

of State Interference with Industry and Trade, with Special Reference to Municipal Trading. Nov. 29.* Stannell, C. A.—The Arterial Drainage of Ireland. Apr. 18.

SECTION VII.

MECHANICAL SCIENCE AND ARCHITECTURE.

LONDON.

THE INSTITUTION OF CIVIL ENGINEERS,

- GREAT GEORGE STREET, WESTMINSTER, S.W. [Telegrams: "Institution, London"; Telephone: Westminster 51.] (ENTABLISHED 1818; INCORPORATED BY ROYAL CHARTER, 1828.)
- Officers. President: Chas. Hawksley. Secretary: J. H. T. Tudsbery, D.Sc. Librarian: F. G. Delano.
- Meetings.—Every Tuesday at 8 P.M., from November to April inclusive, with certain exceptions. The Annual Meeting takes place in April.
- Membership.—The following Table shows the rates of Annual Subscriptions—those persons being considered Resident whose place of business or whose residence is within ten miles of the General Post Office, London:—

		Member.			Associate Member and Associate.				Student.		
		£	8.	d.	£	s.	d.	£	s.	d.	
Resident, .		4	4	0	3	3	0	2	2	0	
Non-resident,		3	3	0	2	12	6	1	11	6	

- Every new Member and Associate is required to pay an Admission Fee of £10, 10s.
- "Minutes of Proceedings" for Session 1900-1901. (Printed for private, circulation only, not on sale. All papers are issued in pamphlet form after appearing in the volumes.) Papers read have the date marked; those not so indicated are papers selected for printing only.

List of all Papers read before the Society during the Session 1900-1901.

Vol. CXLIV.

Blyth, B. H.—Glasgow Bridge. Jan. 8, 1901.

Bremner, C. E.—Road Maintenance in the Wairarapa, North Country District of Wellington, N.Z.

Buck, L. L.—Niagara Falls and Clifton Steel Arch Bridge. Jan. 8, 1901.

Cornish, N. E.—Bursting of a 48-Ton Krupp Gun, and the Method of Repairing it. Cottrell, S. B.—Signalling on the Liverpool Overhead Railway. Dec. 11, 1900.

Dalgleish, G. S.—The Sanayta Lock and Bridge-Regulator.

Doak, W. J.—Railway Bridge over the Fitzroy River at Rockhampton, Queensland. Jan. 8, 1901.

Dowson, J. E.—The Efficient Working of Gas Plants for Engines.

Fletcher, J. R.—Standard Load-

Gauges on Railways.

Digitized by Google

Ford, J. T .- Present Condition and Prospects of the Panama Canal

Works. Feb. 5, 1901. Hearson, T. A.—The Counter-balancing of Locomotives.

Maughan, N.--Main Drainage of Woking.

Scott, E. K .- Coal-cutting by Machin-

Szlumper, A. W.—The Signalling on

the Waterloo and City Railway. Dec. 11, 1900.

Szlumper, A. W .- Note on the Signalling of Out-lying Siding Connections. Dec. 11, 1900.

13 Obituary Notices, comprising 17 pages.

163 Abstracts of Papers in Scientific Transactions and Periodicals, comprising 100 pages.

Vol. CXLV.

Barnard.—See Preston.

Beckett, W. T. C .- Bridges over the Orissa Rivers on the East Coast Extension of the Bengal-Nagpur Railway.

Blount.—See Stanger.

Eves, G. W.—Well-Sinking on the
Koyakhai Bridge, Bengal-Nagpur Railway.

Husband, J.—Æsthetic Treatment of Bridge Structures. Mar. 12, 1901. Peacock, J. A. W .- Light Railways in

Preston, E. J., and R. C. H. Barnard. -Points and Crossings laid with the Curves tangential to the Switches.

Stanger, W. H., and B. Blount,-The

Rotatory Process of Cement Manufacture. Feb. 26, 1901.

Vernon-Harcourt, L. F .- Paris Navigation Congress of 1900; recent Works on the Lower Seine; Harbour Works at Havre and at Zeebrugge; and Improvements effected by the French Lighthouse Service.

Weightman, W. J.—Nilgiri Mountain Railway. Feb. 19, 1901. Williams, C. J. R.—On some Effects of Land Floods in a Tidal River. Obituary Notices, comprising 16

pages.
133 Abstracts of Papers in Scientific Transactions and Periodicals, comprising 121 pages.

Vol. CXLVI.

Bache, A.—Peat Fuel in Scandinavia. Clowes, Prof. F .- Chemistry in its Relations to Engineering; being the Ninth "James Forrest" "James Lecture. Apr. 25, 1901.

A.—Comparison of the Hearson, T. Flow of Water in a River with that in a Small Scale Model of the River.

Jones, H. E.—Modern Practice in the Manufacture and Distribution of

Gas. Apr. 16, 1901. Leigh, F. J.—American Passenger Locomotives.

Morrison, G. J.—On some Applications of Transition Curves.

Rogers, A. E.—Location and Construction of Railway Tunnels, with Particulars of some Recent Work.

Rutter, H. F.—Note on the Working of Sand Filters.

Sandeman, E.-Burrator Works for the Water-Supply of Plymouth. Apr. 2, 1901.

Shields, W. H.—Water-Supply on the Yilgarn Railway, Western Yilgarn Railway, Australia.

Smith, J. W .- Sewerage and Sewage Disposal of Burton-upon-Trent.

Woore, J. M. S.—Note on the Deflection of a Beam with Overhanging Ends.

Obituary Notices, comprising 12 pages.

Abstracts of Papers in Scientific Transactions and Periodicals, comprising 91 pages.

Session 1901-1902.

Vol. CXLVII.

Adeney.—See Parry.
Aspinall, J. A. F.—Train Resistance. Nov. 26, 1901.

Cridlan, J. L.—Automatic Coupling. Gray, J. M.—Variable and Absolute Specific Heats of Water.

Hawksley, C.—Presidential Address-Nov. 5, 1901.

Hill, L. M.-Constructional Woods of British Guiana.

Merivale, W.—Relative Advantages of Long Easy Gradients, and of Short Steep Inclines for Ascending | Mountain Passes; as Exemplified by the South-Western of Venezuela Railway and the Puerto-Cabello and Valencia Railway, Venezuela.

Oswell, F.—Port Dinorwic Docks. Parry, W. K., and W. E. Adeney. Discharge of Sewage into a Tidal Estuary. Nov. 12, 1901. Ritso, B. W.—Boring for Water in the Cape Colony.

Samuelson, B. M.—Protective Embankments in the Irawadi Delta.

Whigham, G. H .- Light Railways. 22 Obituary Notices, comprising 28 pages.

116 Abstracts of Papers in Scientific Transactions and Periodicals, comprising 102 pages.

Vol. CXLVIII.

Davis, J. - Sewerage Systems of Sydney, N.S.W., and its Suburbs. Jan. 24, 1902.

Donkin, B.—Motive-Power from Blast-Furnace Gases. Dec. 17, 1901.

Hearn, G. R.—Railway Surveying on the Pipli Ghat.

Jones, H. O .- Newent Water-works of the Gloucester Corporation.

Molesworth, H. B. - American Workshop Methods in Steel Construction.

Jan. 14, 1902.
Naylor, W.—Bacterial Treatment of Trades Waste. Jan. 28, 1902.

Peirce, A.—Calcutta Water-works.

Price-Williams, R.—Maintenance and
Renewals of Water-works.

Rayner, E. H .- Testing of Combined Steam-Engine and Dynamo-Sets.

Russell, A. J.—History and Development of the Frias Silver-Mines.

Williams, G. B .- Repairs to and Maintenance of the Pretoria Eastern Railway.

115 Abstracts of Papers in Scientific Transactions and Periodicals, comprising 105 pages.

THE INSTITUTION OF MECHANICAL ENGINEERS.

STOREY'S GATE, ST JAMES'S PARK, WESTMINSTER, S.W.

(Founded at Birmingham, 1847—First President, George Stephenson; removed to London, 1877; registered under Companies Act, 1878.)

Officers. - President: W. H. Maw. Secretary: Edgar Worthington, Storey's Gate, St James's Park.

Meetings.—Third Friday in the month, from October to April, at 8 P.M. The Annual General Meeting takes place in February.

Membership. -

£3, 0s. per annum, with £2 Entrance Fee on Election. Member. Associate Member, £2, 10s. £1 Associate, £2, 10s. £1 ,, ,, £1, 10s. Graduate,

Publication-Proceedings 1901, Part I., 4s.; Part II., 4s.; Part III., 6s.; and Part IV., 5s.

Papers read from July 1901 to April 1902, or published in " Proceedings."

Atkinson, R. E.—The Standardisation of | Campbell, W., B.Sc.—The Microscopi-Pipe Flanges and Flange Fittings. Mar.-May 1902.

Beare, Prof. T. H.—Recent Developments in Gas Engine. Jan.-Feb.

Burstall, Prof. F. W .- Second Report to the Gas Engine Research Committee, Oct.-Dec. 1901.

cal Examination of the Alloys of Copper and Tin. Oct.-Dec. 1901.

Dalby, Prof. W. E .- The Balancing of Locomotives. Oct.-Dec. 1901.

Dawson, Lieut. A. T .- Naval Ordnance. July 1901. Dunn, J.—The Arrangement and

Ship-building | Equipment of

Works. July 1901.

Hobbs, C. J.—Trial of a Triple Expansion Vertical Condensing Steam Engine for Hydraulic Pumping. (Not read.) Jan.-Feb. 1902.

Johnson, W. H.—Guarding Machine Tools. Mar.-May 1902.

Marshall, H. D.—Fencing Steam and Gas Engines. Mar.-May 1902.

Willemies J.—Review of Marine

M'Kechnie, J .- Review of Marine Engineering during the last ten years. July 1901.

Orcutt, H. F. L.—Modern Machine Methods. Jan.-Feb. 1902.

Pettigrew, W. F .- History of the Furness Railway Locomotives. (Not read.) Jan.-Feb. 1902.

Platt, S. R.—Fencing or Guarding

Machinery used in Textile Factories, with Special reference to Machinery used by Cotton Spinners and Manufacturers. Mar.-May 1902.
Smith, M. H.—Some Work in the

Development of a Motor Car. July 1901.

Stileman, F.—Barrow Docks Approaches by Land and Sea. July 1901.

Tregoning, W. H .- Tin-Plate Manufacture. Oct.-Dec. 1901.

Walker, H. C.-Protection of Lift-Shafts and Safety Devices in con-nection with Lift Doors and Controlling Gear. Mar.-May 1902.

While, A. J.—The Barrow Hematite Steel Works. (Not read.) July 1901.

Papers read at the Mechanical Section of the International Engineering Congress at Glasgow, in September 1902, and published in the " Proceedings"

Crighton, J., and W. G. Riddell. - Power required to Drive a Marine-Engine Works.

Frost, G. H.—Agricultural Machinery in the Canadian Pavilion at the Glasgow International Exhibition, 1901.

Gould, R.-Some Particulars of the Results of the Compound Locomotives on the Buenos Aires Great

Southern Railway.

Greenwood, A.—The Adoption of the Metric System in our Workshops.

Hele-Shaw, Prof. H. S.—The Cooling of the Cylinders of High-Speed Internal Combustion Engines, and its Effect upon the Power Developed.

Kapp, G.-The Rating and Testing of Electrical Machinery.

Leuke, R.—Some Experiences and Results derived from the use of Highly Superheated Steam in Engines.

Parsons, Hon. C. A., and G. G. Stoney.

-Trial of Steam Turbines for Driving Dynamos.

Rateau, M. A.-A Regenerative Accumulator, and its Application for using Exhaust Steam.

Experiments on the Escape of Steam through Circular Orifices.

Rowan, J.-A Premium System of Rémunerating Labour.

Segundo, E. C. de.—The Cassel Self-Regulating Water Wheel.

Taite, J. C.—Pneumatic Riveting, and other useful Applications of Pneumatic Rivers of matic Tools.

Thomson, W.—Some Factors affecting the Economical Manufacture of Marine Engines.

Weir, W., and J. R. Richmond. - Workshop Methods : some Efficiency Factors in an Engineering business.

Wicksteed, J. H.—The 100-Ton Universal Testing Machine, with Variable Accumulator at the James Watt Laboratories, Glasgow University.

THE IRON AND STEEL INSTITUTE.

28 VICTORIA STREET, S.W. (Founded 1869; Incorporated BY ROYAL CHARTER 1899.)

Officers, -President: William Whitwell. Secretary: Bennett H. Brough, 28 Victoria Street.

Meetings.—The Annual General Meeting takes place in May, and the Autumn Meeting in September.

Membership.—Entrance Fee, £2, 2s.; Annual Subscription, £2, 2s. Publication.—Journal, 2 volumes annually, 16s. per volume.

List of Papers read during the Meetings of September 1901 and May 1902, and published in the "Journal."

Report on the Nomenclature of Metallog- | M'William, A., and W. H. Hatfield .raphy. Sept. and May.

Allen, H.—On a New Vacuum Tuyere for Blast Furnaces. May.

Archibald, H.—On the Iron and Steel Industries of the West of Scotland.

Part. III.—Steel. Sept.

Arnold, J. O., and A. M William.—On

the Microstructure of Hardened Steel. May.

Brough, Bennett H.—Report on the International Testing Congress. Sept.

Bumby, H .- On the Iron and Steel Industries of the West of Scotland. Part I.—Pig Iron. Sept.

Darby, J. H.—On the Compression of Fuel before Coking. May.

Douglas, J.—On Gas from Wood for use in the Manufacture of Steel. May. Eyermann, P.—On a Combined Blast-Furnace and Open-Hearth Process.

Foster, W. J .- On the Physical and Chemical Properties of Carbon in the Hearth of the Blast-Furnace.

Gray, G. Watson. - On the Presence of Calcium in High-Grade Ferro-Silicon. Sept.

Hartley, Prof. W. N., and H. Ramage. -On the Spectra of Flames at Different Periods during the Basic Bessemer Blow. Sept.

Jüptner, Baron H. von.—On the Sulphur Contents of Slags and other Metallurgical Products. May.

On the Elimination of Silicon in the Acid Open-Hearth Furnace.

Mathews, J. A. (Andrew Carnegie Research Scholar). - Report on Research Work carried out during the

past year. May. Ridsdale, C. H.—On the Correct Treatment of Steel. Sept.

Scott, H. K .- On the Iron Ore of Brazil. May.

Stead, J. E .- On Alloys of Copper and Iron. Sept.

and F. H. Wigham. -On the Effect of Copper on Steel for Wire-Making.

Thiry, J.—On the Recovery of By-Products in Coking. May. Thwaite, B. H.—On the Profitable

Utilisation of Power from Blast-Furnace Gases. Sept.

Wahlberg, A.—On Brinell's Method of Determining Hardness and other Properties of Iron and Steel. Sept.

On Brinell's Researches on the Influence of Chemical Composition on the Soundness of Steel Ingots.

On the Variations of Carbon and Phosphorus in Steel Billets. Wingham, A.—On the Internal Strains of Iron and Steel, and their Bearing

upon Fracture. Sept. Wylie, W .- On the Iron and Steel Industries of the West of Scotland. Part II.—Malleable Iron. Sept.

THE INSTITUTION OF MINING AND METALLURGY,

SALISBURY HOUSE, LONDON WALL, E.C.

Officers, -President: A. G. Charleton. Secretary: C. M'Dermid.

Meetings. - Ordinary, on the third Thursday in each month, at 8 P.M., October to June inclusive, at the Geological Societies Rooms, Burlington House, W., The General Meeting is held in March.

Membership. ---

			Entr	ance	Fee.	Annua	l Sub	scription	
			£	8.	d.	£	8.	d.	
Members, .			3	3	0	2	2	0	
Associates,			2	2	0	1	11	6	
Students, .				non	e	1	1	0	

Publication.—Transactions, Vol. X., 21s. per vol., net, to non-members.

Papers read during Session 1901-1902, and published in the "Transactions." Separate Papers can be obtained from the Institution.

Alford, C. J.—Gold Mining in Egypt. Argall, P.—Sampling and Dry Crushing in Colorado.

Behr, H. C.—Winding Plants for great Depths.

Bennetts, B H.—Note on a Curious
Occurrence of Gold.

Burnham, M. H.—Continuous Section System Mine Sampling.

Carey, G. R.—Gold Mining in Matabeleland.

Dane, E.—Electric Percussive Rock Drill.

Green, L. M.—A Method of Testing Cyanide Solutions containing Zinc. Kendall, J. D.—Ore in Sight. Pinder, C. R. — Woodlark Island (British New Guinea).

Short, H. L.—The Hydraulic Installation at the Mines of the Compania Minera de Panneo (Mexico).

Stephens, F. J.—Geology and Mineral Resources of Kumaon and Garhwal.

Thomas, W. F. A.—An Ore Formation on Prince of Wales Island (S.E. Alaska).

Alaska).

Truscott, S. J.—The Occurrence and
Mining of Gold in the Dutch East
Indies.

Virgoe, W. H.—The Titration, Use, and Precipitation of Cyanide Solutions of Copper.

CIVIL AND MECHANICAL ENGINEERS' SOCIETY,

47 VICTORIA STREET, WESTMINSTER, S.W.

(FOUNDED MAY 1859.)

Officers. — President: Prof. R. H. Smith, A.M.I.C.E. Hon. Secretary: A. S. E. Ackermann, A.M.I.C.E.

Meetings.—The Anniversary Meeting takes place in May. Ordinary Meetings are held on the first Thursday of each month, from December to May inclusive, at 7 P.M.

Membership.—Entrance Fee, One Guinea; Annual Subscription: Town Members, One Guinea; Country or Foreign, Half a Guinea.

List of Papers read during Session 1901-1902.

Ackermann, A. S. E.—Engineering Observations in 1901 in the United States of America. Jan. 2.

Ault, E.—Ventilation of Sewers. Apr.

Bell, J. R.—Permissible Unit Stresses in Railway Girders. May 1.

Bridges-Lee, J.—Geometric Interpretation of Photographs. Dec. 5.

Gedye, N. G.—Coast Fog Signals.

Hummel, F. H.—The Statistics of Bridges. Feb. 6.

Pontifex, B.—Electric Traction. Nov. 7.

Smith, Prof. R. H.—Factors of Safety.
Oct. 3.

SOCIETY OF ENGINEERS,

17 VICTORIA STREET, WESTMINSTER, S.W.

Place of Meeting.—Royal United Service Institution, Whitehall, S.W.
(FOUNDED 1854.)

Officers.—President: Charles Mason. Secretary: Perry Fairfax Nursey.

Meetings.—The Annual Meeting takes place on the second Monday in December.
Ordinary Meetings on first Monday in the month, from October to June, at
7.30 p.m. Visits to works of Engineering interest are arranged during the
vacation.

Membership. ---

			Entrance ree.			Subscription.					
			£	8.	d.	£	8.	d.			
Town Members,			2	2	0	2	0	0			
Country Members,			1	11	6	1	11	6			
Associates, .			1	1	0	1	1	0			

Members and Associates residing abroad pay One Guinea Entrance Fee, and One Guinea Annual Subscription Life Composition, Twenty Guineas, and, if a new Member, Two Guineas Entrance Fee.

Publication. — Transactions, annually, price 15s.

List of Papers read during Session 1901-1902.

Bellamy. Bridges, and the Woods used in their Construction. Apr. 7. Griffith, P .- Presidential Address. Feb. Healy, B. D.-Recent Blast Furnace Practice. May 5. Hetherington, R. G. — The Main Drainage of Ilford. Nov. 4. Hollis, S. A.—Preliminary Investigations for Water Supply. Oct. 7.

H. E.-Australian Timber [Roeckling, H. A.-The Sewage Question during the last Century. Dec. Rouse-Marten, C. - Notes on some Twentieth - Century Locomotives. June 2. Stow, J. F .- Irrigation Works in South Africa. Oct. 7.

Thwaite, B. H.—British v. American Patent Law Practice and Engineer-

ing Invention. Mar. 3.

THE INSTITUTE OF MARINE ENGINEERS (INCOR-PORATED),

58 ROMFORD ROAD, STRATFORD, ESSEX.

Officers.—President: D. G. Dunlop. Hon. Secretary: James Adamson, St Quivox, Stopford Road, Upton Manor, Essex.

Meetings.—Second and fourth Mondays of each month from September to May inclusive, at Stratford, for papers and discussions. First and third Mondays for Lectures, Experimental Work Friday evenings. Branch Meetings are held at Southampton and at Cardiff. The Anniversary Meeting takes place in March.

Membership. ---

Member—Entrance Fee,	£1 0	0
Annual Subscription,	1 1	0
Companion—Same as Member.		
Associate Member—Entrance Fee, .	1 0	0
Annual Subscription,	0 15	0
Associate—Entrance Fee,	0 15	0
Annual Subscription,	0 10	0
Graduate—Entrance Fee,	0 10	0
Annual Subscription, .	0 5	0

Publication. — Transactions, price 15s.

Papers read during Session 1901-1902, and published in " Transactions," price 15s.

Boddy, J.-Prevention of Corrosion in | Newall, G. W.-The Uses of India-Sailing Ships. Nov. 23. rubber on board Ship. Oct. 14. Corry, J.—Presidential Address. Dec. Peace, Sir W .- Standardisation. Jan.

Winterburn, G. W .- The Chinese Junk. Sept. 23.

THE INSTITUTION OF ELECTRICAL ENGINEERS.

VICTORIA MANSIONS, 28 VICTORIA STREET, WESTMINSTER, S.W.

(Founded 1871: Incorporated 1883.)

Officers. - President: J. Swinburne, M. Inst. C. E. Secretary: W. G. McMillan.

Meetings .- Held from November to May inclusive, at the Institution of Civil Engineers, on the second and fourth Thursdays, monthly, at 8 P.M. The Annual Meeting takes place in May.

Membership. —

Annual Subscription.		At Home.	Abroad.	Entrance Fee.				
•		£ s. d.	£ s. d.	£ s. d.				
Members,		3 3 0	2 2 0	3 3 0				
Associate Members,		2 2 0	1 1 0	2 2 0				
Associates, .		1 11 6	1 1 0	1 1 0				
Students, .		1 1 0	1 1 0	Nil.				
Foreign Members,		3 3 0	1 1 0	1 1 0				

Publications. — Institution Journal, Part 153, 5s.; 154, 4s.; 155, 4s.; 156, 6s.; Science Abstracts conjointly with the Physical Society, monthly 2s.; Report and Proceedings of Committee on Electrical Legislation, 2s. 6d.

List of Papers read at International Congress held at Glasgow. September 3, 4, and 5, 1901.

Dick, J. R.—Electricity Supply Meters Langdon, of the Electrolytic Type.

Field, M. B.—The Relative Advantages of Three-, Two-, and Single-Phase Systems for Feeding Low-Pressure Networks.

Hobart, H. M.—Modern Commutating
Dynamo Machinery, with Special
Reference to the Commutating Limits.

Jamieson. Prof. A.—Dangers from Trolley Wires and their Prevention.

W.-Introductory Address of the Chairman.

Lasche, O.—High-Speed Railway Car of Allgemeine Elektricitäts Gesellschaft, Berlin.

Maclean, Prof. M.—Kelvin's Electric Measuring Instruments.

Mavor, H. A.—Design of Continuous-Current Dynamos.

Sayers, W. B.—Notes on some of the Chief Objects of Interest to Electrical Engineers in the Glasgow International Exhibition, 1901.

List of Original Communications (marked *) and of Papers read during Session 1901-1902. Papers read before Local Sections are marked as follows:—B, Birmingham; C, Calcutta; D, Dublin; G, Glasgow; M, Manchester; N, Newcastle; and S. A, Cape Town.

Reports of Committees on the Institution Visit to Germany in 1901:-

of the Committee on Traction, Light, and Power Distribution. Jan. 9.

of the Committee on Manufactur-

ing. Jan. 9.
- of the Committee on Telegraphs

and Telephones. Jan. 9.

Aspinall, F. B.—Electric Shocks. Feb. 27.

Barrett, Prof. W. F .- Inaugural Address of the Chairman. Dec. 19. D. Researches on the Electrical Conductivity and Magnetic Properties

of upwards of 100 different Alloys of Iron. Feb. 13.

Brown, E.—The Rise of Temperature in the Field Coils of Dynamos.*

Brown, S. G.—Automatic Relay Translation for long Submarine Cables. May 1.

Burne, O .- Hints on Overhead Con-

struction. Apr. 19. L.
Carus-Wilson, Prof. C. A.—Electrical
Traction on Steam Railways in Italy. May 15.
Clothier, H. W.—Station Switch Gears,

with a Comparison of British and Foreign Methods.

Denham, J.—Note on Electrical | Engineering Practice in Europe and America. Dec. 2. S. A. Drysdale, C. V.—A Permeameter for

Testing the Magnetic Qualities of Metals in Bulk. Nov. 28.

Earle, H. A.—The Supply of Electricity in Bulk. Jan. 28. M.

The Construction of High-Tension

Central Stations. Feb. 18. M.

Frith, J., and E. H. Lamb.—The
Breaking of Shafts in DirectCoupled Units due to Oscillations set up at Critical Speeds. Dec. 19.

M.

Gill, F.—Note on a Humming Telephone. Apr. 18. D.

F.—Starting Resistances

Gott, A. E.—Starting Resistances (Abstract). Jan. 13. N.
Hulse, R. P.—Tests on the Nernst

Lamp. Mar. 19. B.

L.—Note on an Observed Effect of Lightning Discharge on Birds in Mid-air.*

Kingsland, W. - Surface - Contact System of Electrical Traction (Abstract). Jan. 22. B.

— Note on Duplexing of Cables.*

Lodge, Sir O.—Inaugural Address of
the Chairman. Nov. 27. B.

Maclean, Prof. M.—Inaugural Address of the Chairman. Nov. 19. G.

Morrison, W. M.—Aluminium; Notes on its Properties, Production, and Uses. Dec. 10. G.

Nixon, C. B.—The Application of Electric Power to Machine Tools (Abstract of Students' Paper).*

Rhodes, W. G.—Some Points in the Equipment of Electric Tram Cars (Abstract). Mar. 18. M.
Robertson, D.—A General Formula for

Regular Armature Windings.

- A Method of Studying Armature Windings by means of Winding Diagrams.*

Russell, A.—The Capacities of Polyphase Cables.*

Russell, A.—The Limitations of Graphical Methods in Electrical Theory.* and C. Patterson.—Sparking in Switches.*

Scott-Moncrieff, K. A.—Insulation of Conductors of Electricity in India. Mar. 29. C.

Sheardown, P. S .- An Account of the Visit of the Institution to Germany. June 1901. Nov. 14. D.

Snell, J. F. C .- Inaugural Address of the Chairman. Nov. 18. N.

Stewart, A .- Some Notes on the Influence of the Sub-Station Equipment and Transmission Line on the Cost of Electricity Supply. Jan. 27. N.

Sumpner, W. E.—Note on Alternate-Current Diagrams.

· The Testing of Motor Losses. Dec. 11. B.

Swinburne, J.-Problems of Electric Railways, Mar. 20.
Tatlow, W.—Notes on Irish Water-

Power and its Electrical Develop-

ment. Feb. 13. D. Trotter, A. P.—Electric Shocks at 500

Volts. Feb. 27.

Ward, J. C. A.—Practical Notes on Continuous-Current Distribution

Mains, Jan. 14. G.
Webber, Major-Gen.—Electric Shock
and Legislation thereon. Feb. 27. Wedmore, E. B.-Earth Currents

derived from Distributing Systems. Jan. 23.

Wigram, A. W.—Electrical Car Equipments and their Maintenance

(Abstract). Dec. 16. N. Wilson, Prof. E.—The Physical Properties of certain Aluminium Alloys, and some Notes on Aluminium Conductors. Nov. 28.

Wordingham, C. H. — Inaugural Address

of the Chairman. Nov. 19. M. Wright, A.—Some Principles Underlying the Profitable Sale of Electricity. Dec. 12.

THE INSTITUTION OF JUNIOR ENGINEERS,

39 VICTORIA STREET, WESTMINSTER. (Founded 1884.)

Officers. - President: Sir J. Jackson, F. R.S. E. Secretary: W. T. Dunn.

Meetings. —First Friday in each month at 8 P.M. (at Westminster Palace Hotel), from November to May inclusive. The General Meeting takes place in October. Visits are frequently made to Engineering Works.

Membership. -- Annual Subscription: £1, 1s.

Papers read during Session 1901-1902, and published in the "Transactions." Vol. XII., price 10s. 6d.

Jackson, Sir J.—Presidential Address. Nov. 1.

Marshall, P .- The Uses of Engineering Models. Mar. 14.

Buley, J.—The Utilisation of Exhaust
Steam. Jan. 3.

Cooper, W. J.—The Electric Passenger
Elevator. Feb. 7.

Elevator. Feb. 7.

Elevator. Feb. 7.

Rugg, L. H.—Some Factors in Colonial Railway Construction. May 2.

Sweetman, G. D.—Notes on Modern Lighthouse Construction. 11.

THE SURVEYORS' INSTITUTION.

12 GREAT GEORGE STREET, S.W.

(FOUNDED 1868; INCORPORATED BY ROYAL CHARTER, 1881.)

Officers. - President: A. Vernon. Secretary: Julian C. Rogers.

Meetings. - Alternate Mondays in each month, from November to June, at 8 P.M. The Annual Meeting takes place the last Monday in May.

Membership. —

				Annual Subscription.				Adm	oisa	n_Fee	
					£	8.	d.	£	8.	d.	
Fellow,					3	3	0	5	5	0	
Associate,	•	•			2	2	0	3	3	0	

Publication. -- Transactions, and Professional Notes.

List of Papers read during Session 1901-1902, and published in "Transactions" fortnightly for Members only.

C. H.—The Insurance of Buildings against Fire. Mar. 10.

Berkeley, R.—Electric Railways and Street Compensation. Feb. 24.

Clarke, A. D.—The Final Report of the Local Taxation Commission. Nov.

Hanson, J. H. - Rivers' Pollution. Purification of Trade Waters from

a Mill Occupier's Point of View. Jan. 13.

Hooper, C. H.—Compensation for Fruit Planting. Apr. 28. Mathews, G. S.—The Final Report of the Local Taxation Commission. Jan. 27.

Rolleston, Sir J., F.L., M.P.—The Opening Address, 1901. Nov. 11. Somerville, Prof.—Artificial Manures. Dec. 9.

THE INCORPORATED ASSOCIATION OF MUNICIPAL AND COUNTY ENGINEERS,

11 VICTORIA STREET, WESTMINSTER, S.W. [Telegrams: "Bisecting, London"; Telephone: 588, Westminster.]

Officers. - President: J. H. Yabbicom. Secretary: Thomas Cole, A.M.I.C.E., 11 Victoria Street, S.W.

Meetings. -The Annual Meeting takes place in June or July. District Meetings. are held during May to October in the Provinces to suit Local Circumstances. About seven of these are held each year.

Membership. -- Members: Eutrance Fee, 21s.; Annual Subscription, 21s. Graduates: Annual Subscription, 10s. 6d.

List of Papers read during Session 1901-1902, and published in " Proceedings," Vol. XXVII., 21s.

Jun. 1901.

Boot, H .- Electricity Supply for Lighting and Tramways. Sept. 1900.

Bradley, J. W .- Rifle Ranges, and their Public Provision. Jun. 1901.

Bradley, W. L.—Municipal Work in Tonbridge. Sept. 1900.

Cooper, C. H.—Description of Works at Wimbledon. Mar. 1901.

Edwards, J. V.—Asylums or Homes

for the Insane. Jun. 1901.

Golder, T. C.—Some Municipal Works in Deal. Sept. 1900. Kemp, J.—Sewerage and Sewage Dis-posal Works at Hampton. Oct.

1900.

Beaumont, W. W.—Wear of Roads by | Lacey, G. W.—Oswestry Municipal Horse Haulage and Motor Traffic. | Works and Progress. May 1901. Mager, F. W.-Liabilities of Local

Authorities under 38 & 39 Vict. cap. 55, sec. 24. Jun. 1901.

Manville, E.—Methods of Safety for the Overhead Electric Trolley System. Jun. 1901.

Ruck, F. W .- The Main Roads of Kent: their Maintenance and Repair. Sept. 1900.

Saunders, J.—Municipal Engineering Works in Chichester. Jun. 1901. Smith, W. H .- Permanent Way for

Electric Tramways. Jun. 1901.

Stevenson, J.—Some of the Public

Works in East Molesey. 1900.

Yabbicone, T. H.—Experiments with Stoddart's Sewage Filter. Jun. 1901.

Papers read at the Glasgow Engineering Congress, and published in "Proceedings," price 6s. 6d.

Campbell, A. H.—The Problem of the Housing of the Labouring Classes.
Sept. 1901.

M'Donald, A. B.—The Disposal of Sewage. Sept. 1901.

Mager, F. W.—Coal Mining Substances

Campbell, K. F.-Researches into the System of Sewage Purification at Huddersfield, by Bacterial and other Methods. Sept. 1901. Jones, Lt.-Col. A. S.—Sewage Treat-

ment. Sept. 1901.

in relation to Sewerage Works.

Sept. 1901.

Mansergh, J.—The Birmingham Water Works. Sept. 1901.

More, J.—Recent Tramway Practice. Sept. 1901.

Weaver, W.-Municipal Sanitation. Sept. 1901.

THE ROYAL INSTITUTE OF BRITISH ARCHITECTS. 9 CONDUIT STREET, HANOVER SQUARE, W.

(Founded 1834; Incorporated 1837 and 1887.)

Officers.—President: A. Webb, R.A. Secretary: W. J. Locke, B.A.

Meetings, -On Monday evenings at 8 P.M. The Annual Meeting takes place on the first Monday in May.

Membership. -

-			Entrance Fee.			Annual Subscription			,
			£	8.	đ.	£	8.	d.	
Fellows,			5	5	0	4	4	0	
Associates, .				3	0	2	2	0	
Hon. Associates.			2	2	0	2	2	0	

Publications, 1901. - Journal, fortnightly during the Session, monthly in the Summer (20 Nos. annually), price 1s. or 2s. 6d., according to size; Kalendar of the Institute, 2s. 6d.; Prizes and Studentships, 3d.; Past Examination Papers, 1s.

- List of Papers read (or contributed) during Session 1901-1902, and published in "Journal of the Institute."
- Aumonier, W., and H. Sumner.—In-lay and Marquetry. Apr. 7.
- Bedford, F. W.-Baldassare Peruzzi. Feb. 17.
- Bell, R. A.-Notes on the Practice of Pictorial Mosaic. Nov. 18.
- Blow, D.-The Architectural Discoveries of 1901 at Stonehenge. Jan. 20.
- Greenslade, S. K .- The Planning of

some Recent Library Buildings in

- the United States. Mar. 17.

 Mawson, T. H.—The Unity of the
 House and Garden. May 26.
- Murray, Dr A. S .- Two Ionic Capitals in the British Museum. Jan.
- Paterson, A. N.—Tradition in Architecture: its Function and Value.
- Apr. 21. Slater, J. - Address to Architectural Students. Feb. 3.

THE ARCHITECTURAL ASSOCIATION, LONDON,

56 GREAT MARLBOROUGH STREET, W.

- Officers, President: H. T. Hare, F.R.I.B.A. Secretary: D. G. Driver.
- Meetings.—Ordinary Meetings are held at 9 Conduit Street on alternate Friday evenings, from October to May inclusive, at 7.30 P.M. The Annual Meeting takes place in October.
- Membership.—Entrance Fee, Two Guineas; Annual Subscription, One Guinea.
- Publications. Annual Brown Book, 2s. 6d.; Notes, 3d. Monthly; The Architectural Association Sketch Book (in quarterly parts), 21s.
- List of Papers read during Session 1901-1902, and published in the "Builder" a week after delivery.
- Ambler, L.—Artisans' Dwellings from | Gotch, J. A.—The Development of the Private Point of View. May 9. Carōe, W. D.—The Preservation of
- Ancient Buildings. Apr. 11.

 Charles, Miss E. M.—A Plea for
 Women Practising Architecture. Feb. 14.
- *M*.—The Sanitation Clarke, of a Country House. Nov. 15.
- Cunnington, T. C .- Architectural and Constructional Engineering. Jan. 17.
- Fleming, O.—Artisans' Dwellings from the Municipal Point of View. May
- Forbes, J. E.—Travelling Students' Notes. Dec. 13.

- Domestic Architecture from the 12th to the 18th Century. Jan.
- Gruning, E. A.—Arbitrations. Apr.
- Lever, W. H .- The Dwellings Erected at Port Sunlight. Mar. 21.
- Miller, J.—The Glasgow Exhibition. Mar. 7.
- Mitchell, A .- Capitals. Nov. 29. Seth-Smith, W. H .- The President's
- Address. Oct. 11. Townsend C. H.—"Originality" in
- Architectural Design. Jan. 31. Wood, A.—Cambridge in Early and Mediæval Times. Nov. 1.

THE SOCIETY OF ARCHITECTS.

ST JAMES' HALL, PICCADILLY, W.

(FOUNDED 1884; INCORPORATED 1893.)

- Officers .- President: S. Trevail, F.R.I.B.A., J.P. Secretary: C. McArthur Butler, St James' Hall, Piccadilly, W.
- Meetings. The Ordinary Meetings are held on Thursdays once a month, from November to May, at 8 P.M. The next Annual Meeting takes place October 23rd.

Membership.—Entrance Fee, 42s.; Annual Subscription, 42s.

Publications.—Year Book and List of Members. 2s. (Nov.): The Architects' Magazine, monthly, 6d.

List of Papers read during Session 1901-1902.

Bacon, H.—Stained Glass. Feb. 20. Höfler, W.—Hammered Ironwork. Dec. 19.

Kershaw, S. W., M.A. -- Ancient Hampshire Palaces. Apr. 24.

Sullivan, M.-Early British and Celtic Art. Jan. 23.

Thomas, W. W.—People's Baths. May 22.

Williams, W. C .- Ancient Lights. Mar. 20.

THE INCORPORATED GAS INSTITUTE.

39 VICTORIA STREET, WESTMINSTER, S.W. (FOUNDED 1863.)

Officers. - President : A. Dougall. Secretary: Walter T. Dunn.

Meetings .- The Annual General Meeting is held in June.

Membership. - No Entrance Fee; Annual Subscription, 21s.

List of Papers presented at the Annual General Meeting held at London, in June 1902, and published in "Transactions," price 10s. 6d.

Motor for Blowing and Exhausting Apparatus.

Clerk, D.-Large Gas Engines and the

Gases used by them.

Durkin, S. W.—Presidential Address. Hole, W .- Efficiency and Economy in

Gas Distribution.

Humphrys, N. H.—The Maintenance of Incandescent Gas Burners by Gas Companies.

Jones, C. E.—Is the Gas Capital in England and Wales excessive?

Child, W. D.—The Steam Turbine as a | Leather, J. P.—The Valuation of Gas Oils.

> Marsh, G .- A new System of Gas Measurement.

> Mealing, W. R.—The Automatic Lighting and Extinguishing of Public Lamps.

> Shadbolt, R. G .- Sunday Rest for Gas Workers.

> Swinburne, J.—The Electrolysis of Gas

Watson, R.—The Fittings Business as an Aid in the Sale of Gas.

INCORPORATED INSTITUTION OF GAS ENGINEERS,

11 VICTORIA STREET, WESTMINSTER, S.W.

Officers.—President: T. Holgate, M. Inst. C. E. Secretary: T. Cole, 11 Victoria Street. Westminster.

Meetings. -The Anniversary Meeting is held in May.

Membership.—Annual Subscription, £2, 2s.; Entrance Fee, £2, 2s.

Publications.—Transactions, price 21s.; Proceedings (Glasgow Engineering Congress, Section VIII. -Gas).

List of Papers read at the Annual Meeting and at the Glasgow Congress.

Report.—Notes on the various Systems | Bruyere, M. F.-Gobbe's Quenching of Gas Lighting in use at the Glasgow Exhibition.

Ashnorth, J. D.—The Progressive Age. Brackenbury, C. E.—Some Differences between British and Continental Gas Engineering.

Producer for Use in the Manufacture of Water Gas.

Butterfield, W. J. A .- Some Notes on the Conditions which prevail within a Carburetted Water Gas Plant. Carpenter, C.—The Application of the Unit System of Gas Manufacture to its Purification.

Chattel, Heer Van R. Du .- The Principles of Construction of a Proposed Modern Gasholder for Amsterdam.

Chester, W. R.—The Mechanical Transport of Materials in Gas Works.

Herring, W. R.—The Construction of Inclined Retort Carbonising Plants.

Holgate, T .- Notes on Water Gas Manufacture.

Lewes, Prof. V. B.—The Utilisation of Water Gas in the Destructive Distillation of Coal.

Leybold, Dr W.—Destruction of Gas

Pipes by means of Electricity.

Rothenbach, M., jun.—The Automatic
Lighting and Extinguishing of

Street Lamps.
Schniewind, Dr F.—The Production of Illuminating Gas from Coke Ovens.

Smith, B. W.-Purification, Method of Working Purifiers.

THE BRITISH ASSOCIATION OF WATER WORKS ENGINEERS.

54 PARLIAMENT STREET. WESTMINSTER. (ESTABLISHED 1896.)

Officers. - President : F. Griffith, M. Inst. C. E. Secretary : Percy Griffith.

Meetings.—The Anniversary Meeting takes place in Summer months (in 1902, it took place on June 24 to 27, at Leicester). A meeting is also held once during the winter.

Membership.—Entrance Fee, £2, 2s, and £1, 1s.; Annual Subscription, £1, 1s. and 10s. 6d.

List of Papers read in June and December 1901, and published in the "Transactions."

Carr, I.—Description of Horton Pumping Station, West Cheshire Water Company.

Cloake, A. G.-French Practice in the Manufacture of Cast Iron Pipes. Crowther, J. H.—Description of Wallasev

Water-works. Deas, J.—Downwards.
Water-works.
—Des J.—Description of Warrington Ingham, W.—Design, Construction, and

Cost of Open and Covered Service Reservoirs.

Perry, S. H.—English Practice in the Manufacture of Cast Iron Pipes.

Plummer, W. E., M.A., F.R.A.S.

-Rainfall, the Cycle of Precipitation.

Watts, W.—Detecting and Preventing the Pollution of Public Water Supplies.

THE COLD STORAGE AND ICE ASSOCIATION.

19 LUDGATE HILL, LONDON, E.C.

Officers.—President: The Hon. Alan de Tatton Egerton, M.P. Hon. Treasurer: J. G. Lorrain, Norfolk House, Norfolk Street, London, W.C. Secretary: R. M. Leonard, 19 Ludgate Hill, London, E.C.

Objects. - The Promotion of the Scientific, Engineering, and Hygienic Aspects of the Subjects of its Title, and its further Practical Development. Society endeavours to realise the above Objects by holding Meetings, etc., at which such Subjects are discussed.

List of Papers which have been read at Meetings of the Association, held at various places, and on various dates.

Cold Storage from a Butcher's Point of | Design and Construction of Buildings

Cold Stores and Ice Factory at Knutsford.

for Ice Factories and Cold Storage. Electric Lighting of Cold Stores. Insulation.

Insulation and Insulators.

Practical Insulation.

Production of Distilled Water for Icemaking Plants.

Recent Researches in Refrigeration.
Some Aspects of the Law relating to the
Refrigerating Industry.

COUNTRY.

BIRMINGHAM ARCHITECTURAL ASSOCIATION,

QUEEN'S COLLEGE, PARADISE STREET. (FOUNDED 1873.)

(Affiliated with the Architectural Association, London.)

Officers.—President: W. H. Bidlake, M.A., A.R.I.B.A. Hon. Secretaries:
A. E. M'Kewan, A.R.I.B.A., 3 Newhall Street; G. H. V. Cale.

Meetings.—On alternate Fridays at 6.45 P.M. from October to March.

The Anniversary Meeting is held in October.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription: Members, 21s.;
Associates, 10s. 6d.

[No Return.]

THE INSTITUTION OF MINING ENGINEERS.

Comprising the North of England Institute of Mining and Mechanical Engineers, the Midland Counties Institution of Engineers, the North Staffordshire Institute of Mining and Mechanical Engineers, the Midland Institute of Mining, Civil, and Mechanical Engineers, the South Staffordshire and East Worcestershire Institute of Mining Engineers, and the Mining Institute of Scotland. Independent action is left to each Institute as hitherto, but all the Papers read are now published in one journal.

Officers.—President: James S. Dixon. Hon. Secretary: M. Walton Brown, Neville Hall, Newcastle-on-Tyne.

Meetings, 1902.—May 29 to 31 (London); Annual Meeting, September 16 to 19 (Newcastle-on-Tyne).

Membership.—Number of Members, over 2500. Each Society pays a Capitation Grant.

List of Papers read during 1901, and published in "Transactions," 2
Vols. annually, price £1, 16s. each.

Allen, G. L.—Brick-making. Sept. 3. Bigg-Wither, H.—Notes on Detonators. May 24.

Brown, M. W.—Experiments on Auxiliary Ventilation. May 24.

Barometer, Thermometer, etc., Readings for the Year 1900. May 24.

Cadell, H. M.—The Oilshale fields of the Lothians. Sept. 3.

— The Carboniferous Limestone Coalfields of West Lothian. Sept. 3. Chester, E. D.—The Imperfect Pulverisation of Rocks by Means of Stamping, and Suggestions for its Improvement. Sept. 4.

Eissler, M.—The Production of Copper and its Sources of Supply. May 23.

Halbaum, H. W. G.—An Extension of the Equivalent-Orifice Theory. May 23.

--- A New Diagram of the Work of Mine Ventilation. Sept. 4.

Hancock, H. L.—Mining and Treatment of Copper Ore at the Wallaroo and Moonta Mines, South Australia. Sept. 4. Hoskold, H. D.-A New Civil and Engineers' Transittheodolite, for Connecting Under-ground Workings to the Surface, vice versa, and for General Survey-

ing. Sept. 4.

Keighley, F. C.—Coke-making at the Oliver Coke Works. Sept. 4.

Kirsopp, J. J., jun.-The Cook Inlet

Coal-field, Alaska. May 24.

Lewis, Sir W. T., Bart.—Presidential

Address. Sept. 3.

Maclaren, J. M.—The Charters Towers

Gold-field, Queensland. May 23.

Obalski, J.-Mineral Resources of the Province of Quebec, Canada. Sept.

Peake, H. C .- Address. May 23. Reumaux, E.—Use of Waste Gases from

Bye-Product Coke Ovens in Explosion Motors. May 23.

Sawyer, A. R. - The Tarquah Gold-field,

Gold Coast, West Africa. Sept. 3. Smith, W.—The Buffelsdoorn and Adjacent Districts of the Northern Klerksdorp Gold-fields, Transvaal. Sept. 3.

Thompson, G. R.—The Connection of Underground and Surface Surveys. Sept. 4.

Verschöyle, W. D.—Gold-dredging. May 28.

Walker, S. F.—Alternating Currents and their Possible Application to Mining. May 23.
Wheeler, A. O.—Notes on the Field-

work of Photographic Surveying as applied in Canada. May 23.

BRITISH SOCIETY OF MINING STUDENTS. RADSTOCK, NEAR BATH.

Officers. - President: A. W. Grazebrook. Hon. Secretary: G. E. J. M'Murtrie, A.M.I.C.E.

Meetings.—The Annual Meeting takes place in July.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 10s.

Communications made during Session 1901-1902, and published in the "Journal" of the Society, price 2s. per bimonthly number.

Bainbridge, E. M.—A Method of Grazebrook, Preventing the Ringing Sound of Wheels whilst in Motion.

Barrowman, rowman, J. — Description Bothwell Castle, Whistlebury. of Hamilton Palace Colliery.

Binks, J. C .- Notes on the Development of the Lower Series in the Forest of Dean.

Bulman, H. F .- Gold Sluicing in New Zealand.

Darley, J. H .- Notes on the Semet-Solvay Oven.

Fargie, -. - Description of Dumbreck

Colliery, etc.

Foster, H. J.—Description of Preliminary Operations and Temporary Plans required for a Sinking Pit.

W. - Presidential A. Address. N. -Three-phase

Haliday, Driving Applied to Coal Cutting. Hopgood, G. W. N.—Some Notes on Wire Ropes

M'Murtrie, G. E. J.—Notes on Water Softening, with Special Reference to a Plant at the Granville Colliery, Burton-on-Trent.

Palmer, M.—Steam Surplus and Reducing Valves. Stirling, J.—The Tertiary Brown Coal and Liquid Beds of Victoria.

Warns, S.—A Method of Working by Longwall, a Seam 36" thick, with Soft Roof and Floor, lying at an angle of 180, or with an Inclination of 1 in 3.

CHESTERFIELD AND MIDLAND COUNTIES INSTITUTION OF ENGINEERS.

STEPHENSON MEMORIAL HALL, CHESTERFIELD. (Founded 1871.)

Officers, -President: M. Deacon. Secretary: G. A. Lewis, Albert Street, Derby.

Membership.—Entrance Fee, for Members and Associate Members, 21s.; Annual Subscription: for Members and Associate Members, 31s. 6d.; for Associates and Students, 20s.

Publication. - Annual Report.

[No Return.*]

LIVERPOOL ARCHITECTURAL SOCIETY,

13 HARRINGTON STREET (INCORPORATED).

Officers. - President: J. Woolfall, Hon. Secretaries: H. Grayson, M.A., 31 James Street; G. Fraser, 67 Lord Street, Liverpool.

Meetings.—Ordinary Meetings on the first Mondays in the month. October to April inclusive, at 6 P.M. The Annual General Meeting is held in May.

Membership.—Entrance Fee: Fellows, £1, 1s. Annual Subscription: Fellows, £1, 11s. 6d.; Associates, £1, 1s.; Hon. Associates, 10s. 6d.; Students, 10s. 6d.

Publications. — Annual Report, April 1902; Articles of Association, July 1901.

LIVERPOOL ENGINEERING SOCIETY,

ROYAL INSTITUTION, COLQUITT STREET. (Founded 1875.)

Officers. - Hon. Secretary: A. Musker, M. Inst. C. E., 4 Buckingham Avenue, Sefton Park. Assist. - Secretary: Thomas Coole, Royal Institution.

Meetings. -On alternate Wednesdays, from November to April, at 8 P.M. The Annual Meeting is held on the last Wednesday in April.

Membership.—Annual Subscription: for resident Members and Associates, 21s; non-resident Members and Associates and Students, 10s. 6d.

Publication. - Transactions, annually, price 7s. 6d.

List of Papers read before the Society during Session 1901-1902.

r, F. B., Assoc. Inst. C. E. — The Proposed High-Speed Electrical Monorail between Manchester and

Liverpool. Jan. 15.

Boyce, Prof. R. W., M.B.—Recent
Methods of Sewage Purification. Mar. 26.

J.—High-Speed Davidson, Steam

Engines. Dec. 18.

Gibbings, A. H., M.I.E.E.—The Conveyance of Goods on Electric Trolley Lines. Jan. 29.

Leighton, A.-Notes on Concrete George's Dock. Construction, Apr. 16.

Muspratt, M .- Some Aspects of Chemi-

cal Engineering. Feb. 12.

Nicholson, J. N.—Water Supplies for Small Communities. Mar. 12.

Pritchard, P. M., Assoc. M. Inst. C. E .-Fuel Economy in Factories. Feb 26.

Steele, F. W.-Modern Hydraulic Machine Tools and Labour-Saving Appliances worked by Hydraulic Pressure. Nov. 20.

Webb, W. H.-Refrigeration and its Effects upon Civilisation. Apr.

MANCHESTER SOCIETY OF ARCHITECTS.

60 KING STREET.

Officers, -- President: Alfred Darbyshire. Hon. Secretary: Paul Ogden, F. R. I. B. A. Secretary: A. S. Brewis, A.C.A.

Meetings.—The Anniversary Meeting is held in April, and Ordinary Meetings on the second Thursday in each month, October to March inclusive, at 6.30 P.M.

Membership.—Entrance Fee: for Fellows, 42s.; for Associates, 21s.; for Students, 10s. 6d. Annual Subscription: for Fellows, 21s.; for Associates, 15s.; for Students, 10s. 6d.

Publication. - Kalendar, 1901.

List of Papers read during Session 1901-1902.

Crace, J. D.—Relation of Colour to
Architecture. Jan. 9.

Darbushire A.—President's Address.

Darbyshire, A.—President's Address.
Oct. 10.

Hadfield, C. M.—English Architecture

of the Fifteenth Century. Feb. 13.

Waterhouse, P.—Architecture among the Modern Arts. Nov. 14.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS.

4A ST NICHOLAS BUILDINGS, NEWCASTLE-ON-TYNE.
(FOUNDED 1884.)

Officers.—President: J. Tweedy, J.P. Secretary: John Duckitt.

Meetings.—At irregular intervals at N.E. Coast Towns. The Anniversary

Meeting takes place in October.

Membership.—No Entrance Fee; Annual Subscription varies from Half a Guinea to Two Guineas.

Publication.—Transactions (see below) and The Present Unsatisfactory Condition of the Engineer Branch of H.M. Navy, by D. B. Morison, 1s. net.

List of Papers read during Session 1901-1902, and published in "Transactions," Vol. XVIII., price 21s.

Chaston, E. C.—The Ballasting of Modern Tramp Steamers. Dec. 13.

James, M. C.—On Passenger Accommodation in Steam Ships.
Feb. 22.

Link, R. R.—Co-operation and Mechanical Aids to Workshop Costkeeping. Apr. 18. Littledale, J. W. E.—The Speed of

Machine Shop Tools. Nov. 15.

Morison, D. B.—Report on Memor-

andum submitted to the First Lord of the Admiralty on the 16th of July 1901, with Reference to the present Unsatisfactory Condition of the Engineering Branch of H.M. Navy. Feb. 7.

Parker, G.—Workshop Records. Mar.

21.
Warburton, F. J.—Some Notes on Steam Turbines. Jan. 24.

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS,

NEVILLE HALL, NEWCASTLE-ON-TYNE.

(FOUNDED 1852; INCORPORATED 1856.)

Officers. - President: John G. Weeks. Secretary: M. Walton Brown, Neville Hall.

Meetings.—Second Saturday in February, April, June, October, and December.

The Anniversary Meeting takes place in August.

Membership.—No Entrance Fee. Annual Subscription: for Members and Associate Members, 42s.; for Associates and Students, 25s.

- Publications.—General and Subject-matter Indices to Vols. I. to XXXVIII. of the Transactions of the North of England Institute of Mining and Mechanical Engineers, 1852 to 1889. Edited by M. Walton Brown, Secretary, £1: Subject-matter Index of Mining, Mechanical, and Metallurgical Literature for the year 1900. Edited by M. Walton Brown, Secretary of The North of England Institute of Mining and Mechanical Engineers, £2, 2s.
- List of Papers read during Session 1901-1902, and published in "Transactions" of The Institution of Mining Engineers, issued twice yearly, 36s. per volume.
- Blackett, W. C .- A Method of Socketing a Winding-Rope, and its Attachment to a Cage without the Use of Ordinary Chains.

Colley, J.—Mechanical Undercutting in Cape Colony. Oct. 12.

Darling, F.—Electric Pumping-Plant at South Durham Colliery. July 11.

Forster, R. H.—Memoir of the late George Baker Forster. Dec. 14.

Greenwell, G. C.—Memoir of the late George Clementson Greenwell. George Oct. 12.

Halse, E .- Some Silver-Bearing Veins of Mexico. - Continued. Apr. 12.

Liddell, C .- Apparatus for Closing the Top of the Upcast-Shaft at Wood-horn Colliery. Feb. 20.

Louis, Prof. H.—Note on a Mineral

Vein in Wearmouth Colliery. Oct. 12.

Louis, Prof. H.-Standardisation of Surveyors' Chains. Feb. 8.

Merivale, J. H.—Report of the Delegate to the Conference of Delegates of Corresponding Societies of the British Association for the Advancement of Science, Glasgow, September 1901. Feb. 8.

Oliver, T .- A Visit to the Simplon Tunnel: the Works and Work.

men. Apr. 12.
Steavenson, A. L.—The Carboniferous Limestone Quarries of Weardale. Oct. 12.

Welton W.S.-Auriferous Gravels and Hydraulic Mining. Oct. 12.

Wilson, W. B., jun.—Tapping drowned Workings at Wheatley Hill Colliery. Feb. 8.

NORTHERN ARCHITECTURAL ASSOCIATION.

36 NORTHUMBERLAND STREET, NEWCASTLE-ON-TYNE.

Officers. - President: F. Caws, F.R.I.B.A. Hon. Secretary: A. B. Plummer, F.R.I.B.A., 13 Grey Street, Newcastle-on-Tvne.

Meetings. —Monthly on Wednesdays at 7.30 P.M. during the Winter Session. The Anniversary Meeting takes place in March.

Membership, 211.—Entrance Fee, 21s.; Annual Subscription, 21s.

List of Papers read during Session 1901-1902.

Barker, A. P. B.—The Duties of Building Owners as to Sewers. Feb. 26. Future of British Architecture. ing Owners as to Sewers. Feb. 26.

Bond, N.—The Work of the National
Trust for Places of Historic Interest.

Bruce, J .- Recent Data concerning Concrete Beams and Concrete Floors. Jan. 15.

Carr, J. M.—Terra Cotta. Dec. 11.

Nov. 13.

Kerr, H. S.-Melrose Abbey. Nov. 27. Nesbit, ---. -The Pleenum System of Ventilating the Schools.

Twizell, R. P. S.—The Development of Architectural Ornament. Jan. 29.

THE STAFFORDSHIRE IRON AND STEEL INSTITUTE

(Formerly known as the South Staffordshire Institute of Iron and Steel Works' Managers).

THE INSTITUTE, WOLVERHAMPTON STREET, DUDLEY. (FOUNDED 1866.)

- Officers. President: Walter Somers, J.P. Secretary: W. H. Carder, Wordsley, near Stourbridge.
- Meetings. Monthly on Saturdays at 7 P.M., September to April inclusive. The Anniversary is on the last Saturday in April.

Membership.—Entrance Fee, 2s. 6d.; Annual Subscription, 10s. 6d.

- List of Papers read during Session 1901-1902, and published The "Proceedings" for Session separately at various prices. 1901-1902 may be purchased for 10s. 6d.
- Buchanan, R.-The Foundry Cupola, and how to Manage it. Nov.
- Flather, D.—Crucible Steel: its Manufacture and Treatment. Dec. 14.
- Macfarlane, W .- Modern Steel Making. Nov. 23.

Parkes, E., M.P.-Foreign Competition. Feb. 1.

Somers, W., J.P. — Presidential Address. Sept. 28. Thompson, S. J.—The Dürr Water Tube

Boiler. Feb. 15. Thornbery, W. H .- Wheel Gearing.

Apr. 12.

SOUTH STAFFORDSHIRE AND EAST WORCESTER-SHIRE INSTITUTE OF MINING ENGINEERS.

THE UNIVERSITY, BIRMINGHAM.

- Officers. President': Prof. Charles Lapworth, LL.D., F.R.S. Secretary: Alexander Smith, M. Inst. C. E., 53 and 54 Colmore Chambers, 3 Newhall Street, Birmingham.
- Meetings.—First Monday in February, April, June, August, October, and December, at the University, Birmingham. The Anniversary Meeting takes place in October.
- Membership.—Entrance Fee, 21s.; Annual Subscription, 31s. 6d. for Members and Associate Members. For Associates and Students the Entrance Fee is 10s. 6d., and Annual Subscription, 21s.
 - List of Papers read during Session 1901-1902, and published in the "Transactions" of Institution of Mining Engineers.
- Charlton, W.—A Method of Working | Thacker, S. L.—The Determination of the Thick Coal in Two Sections. | The Calorific Power of Fuel. Feb. 10.
- Jones, D., F.G.S.—Legislation and the Ownership of Properties containing Coal. June 2.
- Lapworth, Prof. C., F.R.S.—Inaugural Address. Oct. 7.*
- Oct. 7.*
- Whittaker, H., A.M.I.E.E. ---J. Sparkless Electric Plant for Mining and Workshop Practice. Apr.

SOUTH WALES INSTITUTE OF ENGINEERS,

PARK PLACE, CARDIFF.

(FOUNDED 1857; INCORPORATED 1881.)

Officers.—President: H. K. Jordan, F.G.S. Secretary: Hort. Huxham, M. Inst. C. E., 70 Bryn Road, Swansea.

Meetings.—First Monday in January, April, July, and October, at 3 P.M. The Anniversary Meeting takes place in April.

Membership.—No Entrance Fee. Annual Subscription: Members, 42s.;
Associates and Students, £1, 1s.

[No Return.*]

SCOTLAND.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND,

207 BATH STREET, GLASGOW. (FOUNDED 1857.)

Officers. - President: William Foulis. Secretary: Edward H. Parker.

Meetings.—Monthly on the third Tuesday from October to April inclusive.

Annual Meeting in April.

Membership. - The Subscriptions are as follows :-

	Member.	Associate.	Graduate.	
	£ s. d.	£ s. d.	£ s. d.	
If Elected in October or November,	2 10 0	2 0 0	0 10 0	
If Elected in December or January,	2 0 0	1 10 0	0 10 0	
If Elected during the remainder of the Session,	1 10 0	1 5 0	0 10 0	
And every October thereafter,	1 10 0	1 0 0	0 10 0	
Composition for Life Members, £20;	for Life As	sociates, £15.	•	

List of Papers read during Session 1901-1902.

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Kin	Electric	nes for	Engi	low Speed	SI
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Brown, W.—Dredging and Modern

affecting the Economy of Marine Screw Engines. hnstone, G., F.R.S.E.—Notes on the Serious Deterioration of Steel

Vessels from the Effects of Corrosion.

King, J. F.—Rudders.
Rowan, F. J.—Producer Gas, and its Use
in Engineering and Shipbuilding.

THE MINING INSTITUTE OF SCOTLAND,

HAMILTON, N.B.

(Founded 1878 as the "West of Scotland Mining Institute"; alteration of name effected March 1880.)

Officers.—President: Henry Aitken. Secretary: James Barrowman, Staneacre, Hamilton. Meetings. - Every two months throughout the year. The Anniversary Meeting takes place in April.

Membership.—No Entrance Fee; Annual Subscription, 42s, and 25s... according to grade.

Papers read during Session 1901-1902, and published in the "Transactions" of the Institution of Mining Engineers.

Baird, J.—Description of Underground Haulage at Mossblown Colliery, Ayrshire. Apr. 10.

Barrowan, J.-Slips in a Sandbank.

Apr. 10. What is the Least Possible Waste in Working Coal? Feb. 12.

Broom, R. - Unwatering and Fitting a Lanarkshire Colliery with Modern Appliances. Aug. 8.

Hogg, J., T. Moody, and T. Arnott.— The Working of Contiguous or

nearly Contiguous Coal Seams. June 14.

Kirkby, R.—The Dysart, Wemyss, and Leven Coalfields. June 14.

Pearson, H .- The Rand Conglomerates,

Transvaal. Dec. 12.
Swann, H. P.—The Practical Results Obtained on Changing the Motive Power of an Underground Pump from Steam to Electricity. Dec.

WEST OF SCOTLAND IRON AND STEEL INSTITUTE.

207 BATH STREET, GLASGOW.

(FOUNDED 1892.)

Officers.—President: W. Jacks, LL.D. Secretary: James Love, 95 Bath Street.

Meetings .- Second or third Friday in each month, from October to April inclusive, at 7.30 P.M. The Anniversary Meeting takes place in April.

Membership. - Subscription, 21s.; no Entrance Fee.

Publication.—The Journal, monthly, during Winter Session, price 5s. each The papers are printed in the Journal for the month in which they part. are read.

List of Papers read during Session 1901-1902, and published in the "Journal" for the month indicated,

Bell, P. A. G.—Water Softening and | Hamilton, R.—Notes on the Recovery Purifying. Oct.

Burnby, H.—Utilisation of Small Ores.

Feb.

Clark, A. J .- Water Softening and Purifying. Oct.
Farnell, W. H.—Standardisation of

Tests for Iron and Steel. Nov.

of Bye-Products from Blast Furnace

Gases. Jan.

Jacks, W.—Presidential Address. Oct. Leuke, R.—Utilisation of Superheated Steam. Mar.

Thomson, R.-Kilns. Dec.

EDINBURGH ARCHITECTURAL ASSOCIATION.

117 GEORGE STREET. (FOUNDED 1850.)

Officers.—President: Henry F. Kerr, A.R.I.B.A. Hon. Secretaries: W. M. Page, 16 Rutland Square; C. B. Cownie, 31 Mayfield Gardens.

Meetings. -On Wednesdays, fortnightly, from November to May inclusive, at 8 P.M. The Anniversary Meeting usually takes place in May.

Membership.—Entrance Fee, none; Annual Subscription, Fellows, 21s.; Members and Associates, 10s. 6d., and Apprentices, 5s.

List of Papers read during Session 1901-1902.

of Provence. Nov. 28. Beveridge, D.—Sir John Vanbrugh and

his Work. Mar. 26.

Brown, Prof. G.—Some Thoughts on the Dome as an Architectural Form. Mar. 12.

Burn-Murdoch, n-Murdoch, W. G.—Historical Design proposed for the New Municipal Buildings. Feb. 26.

Davidson, W.—Notes on Winchester, Salisbury, and Wells, and their Surroundings. Feb. 5.

Barnier, L. A.—The Old Monuments | Ednie, J.—The Applied Art of to-day and Yesterday. Dec. 4.

Gordon, W. S. A.-Notes on Cathedral

Towns. Nov. 13.

Mackenzie, Bailie.—Ventilating and

Heating. Dec. 18.

Millar, J.—The Glasgow International
Exhibition of 1901. Apr. 2.

Sherar, R. F.-Architectural Perspective. Feb. 19.

Wittet, G .- A Visit to Oxford. Mar. 5.

GLASGOW INSTITUTE OF ARCHITECTS.

115 ST VINCENT STREET AND 187 PITT STREET. (INCORPORATED 1868.)

Officers. - President: H. K. Bromhead. Secretary: C. J. MacLean, 115 St Vincent Street.

Meetings. —On Thursdays, at 2 P.M. The Anniversary Meeting takes place in April.

Membership,-Entrance Fee, £10; Annual Subscription, £1, 1s.

IRELAND.

INSTITUTION OF CIVIL ENGINEERS OF IRELAND,

35 DAWSON STREET, DUBLIN. (FOUNDED 1835; INCORPORATED 1877.)

Officers.—President: J. H. Ryan, M.A., M. Inst. C.E. Hon. Secretary: M. Backhouse, 35 Dawson Street, Dublin.

Meetings.—First Wednesday in each month, from November to May inclusive, at 8 P.M. The Anniversary Meeting takes place in December.

Membership.—Entrance Fee, £2, 2s.; Annual Subscription: £2, 2s., £1, 11s. 6d., and £1, 1s., according to place of residence.

Publication. — Transactions, Vol. XXVIII., 2s. 6d.

List of Papers read during Session 1901-1902.

Dick. F. J.—Notes on the Design of | Ruddle, M.—The Supply of Electrical Breakwaters. Mar. 5.

Higginbotham, F. W.—Refrigeration.

May 7. Lilly, W. E .- The Strengths of the Materials of Construction. Apr. 2. Energy in Cities. Jan. 8.

Tatlow, J.—Irish Railways: their

Progress during the last Decade of the last Century. Dec. 4.

ROYAL INSTITUTE OF THE ARCHITECTS OF IRELAND,

20 LINCOLN PLACE, DUBLIN.

Officers.—President: G. C. Ashlin, R.H.A., F.R.I.B.A. Hon. Secretary: W. K. Parry, 63 Dawson Street.

Meetings.—Ordinary Meetings are held on the first Mondays in each month.

The Anniversary Meeting takes place in December.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription: Fellows, £1, 11s. 6d.; Members, £1, 1s.

Publication .- Annual Report.

SECTION VIII.

NAVAL AND MILITARY SCIENCE.

LONDON.

ROYAL UNITED SERVICE INSTITUTION. WHITEHALL, S.W.

- (Founded June 25, 1831, as the "Naval and Military Library and Museum," afterwards named "The United Service Museum," and in 1839 the "United Service Institution": Incorporated by Royal Charter in 1860.)
- Officers .- President: Field-Marshal H.R.H. the Duke of Cambridge, K.G. Chairman: Admiral Sir N. Bowden Smith, K.C.B. Secretary: Lieut.-Col.
- Meetings.—Generally on Wednesdays and Fridays at 3 P.M. between January and July. The Anniversary Meeting takes place in March.
- Membership, -Entrance Fee, £1; Annual Subscription, £1; Life Subscription, £15.
- Publication. -Journal, published monthly, under the authority of the Council,

List of Authors and Translators in Volume XLV July to December 1901.

of London.

Bingham, Col. E. G. H .- The Australian Soldier.

Bloch, M. J. de.—The Lessons of the Transvaal War.

Canney, L., M.D.-Typhoid and its Abolition.

Carter, Lt.-Col. F. C .- India: its Fighting Races and its Army.

Churchill, W. L. S., M.P.—The War in S. Africa.

Ebrington, Col. Viscount.—The Canteen Question.

Gunter, Lt.-Col. E.—Von Löbell's Annual Reports.

Bethell, Maj. H. A.—Field Defences | Jones, Lt. O.—The Elswick Battery in S. Africa.

Lee, Capt. A. H., M.P.—The Recruiting Question.

Legard, Col. J. D .- Volunteer Duties and National Defence.

Morrison, Lt.-Col. R. H.—Lessons from the War in S. Africa. Schreiner, T. L.—The War in S. Africa.

Seton, Lt. A. M.-Garrison Artillery in the Field.

Von Löbell. — Annual Reports.

Webber, Maj.-Gen. C. E.-Army Reform.

Zietsman, the Hon. L.—The Native Question in S. Africa.

ROYAL ENGINEERS' INSTITUTE. BROMPTON BARRACKS, CHATHAM.

Officers .- President of Committee: General Sir Richard Harrison, K.C.B., C.M.G., R.E. Secretary: Capt. R. F. Edwards, Royal Engineers' Institute. Chatham.

Meetings.—Second Friday in each quarter. The Anniversary Meeting takes place in June.

Publication. — The Royal Engineers' Journal, published monthly (Private Circulation only).

[No Return.]

ROYAL ARTILLERY INSTITUTION.

ROYAL ARTILLERY BARRACKS, WOOLWICH. (Founded 1838.)

Officers. -- President: Field-Marshal H.R.H. The Duke of Cambridge, K.G. Secretary: Major A. C. T. Boileau, R. A.

Meetings. -There are no fixed Meetings but those of the Committee, which are held at 12 noon, on the second Thursday in each month.

Membership.—Entrance Fee, £1; Annual Subscription, according to rank.

Publications. - The Wright Letters, being a collection of letters written by Major Jesse Wright, R.A., and others, during the Duke of York's Campaigns in the Low Countries, 1793-4, arranged and edited by Colonel F. A. Whinyates, R.H.A., 6d.; The Forbes Macbean Correspondence, on Regimental Business between the 24th February 1757 and 14th June 1779, arranged and edited by Lieut.-General Sir H. L. Geary, K.C.B., R.A., 3d.; Hints on Training the Intelligence and Powers of Observation of Officers, Non-commissioned Officers and Men, by Col. L. W. Parsons, 1d.; Reports, Precis and Proceedings, containing papers on "Russia and China in 1900," by Lieut. B. S. Browne. R.A.; "Automobiles from a Military Point of View," by Major F. Bushe. C.M.G., R.A.; "Memorial de Artilleria" (Spain), by Colonel J. C. Dalton, R.A.; and "Historical Examples of Sieges from the Franco-German War of 1870-1, by Captain H.M.C. Bird, R.A.

Contents of Volume XXVIII. from April 1901 to March 1902.

Worn-out Guns on Service.

Birch, Capt. E. M .- With a Section of a Field Battery on the "De Wet Manœuvres.

Buzzard, Capt. C. N.—Signalling to Range Launches.

Cadell, Maj. J. F.—Contrasts in the Conditions of Warfare at the beginning of the nineteenth and twentieth Centuries, and some Deductions as to possible Tactical Formations for the future.

Callwell, Maj. C. E.—Artillery Notes from the Veldt.

Silver Medal Essay (for Subject, See Nicolls, Maj. E. G.).

Chatres, Capt. R. C .- 50% Height Zone

for High Sites.

Dalton, Col. J. C.—Notes on the Corps of R.A. Drivers.

The "Gunner's Whistle." Dalton, C .- Colonel Sir Robert Barker, Kt. and Bt., F.R.S.

Bannatine-Allason, Col. R.—Repairing | The Director-General of Ordnance. Captured Boer Guns. (Communicated.)

> Doyle, Capt. J. F. I. H .- 12th Battery R.F.A. in China.

Dreyer, Lt. J. T.-A Range Indicator Dial.

Ducrôt, Maj. L. H .- Guns in South Africa.

Dykes, Capt. L. E. B. - See Johnson. Lt. Col. R. F.

Elton, Maj. F. A.—Boer Position on the Tugela, 1899.

Geary, Lt.-Gen. Sir H. Le G.—Sketch of certain Papers transferred from the late Royal Military Repository to the Royal Artillery Institution.

Geary.—Reminiscence of Good Friday, ĭ8**68.**

Grayson, Capt. A. D. H .- Training of

Artillery Patrols.
Griffin, Capt. H. L.—Pom Poms.

Harrison, Lt.-Col. R. A. G.—R.A. in South Africa.

Head, Capt. C. O.—Further Experiences Nicolls, Maj. E. G.—Gold Medal Essay. with "B" Battery R.H.A. in Training, Organisation, and China.

Hickman, Maj. H. P.—Compilation of Range Tables.

Holden, Maj. H.C. L.—The Automobile. and its possible Uses for Military

Home, Capt. R. E. - A Scheme of Positionfinding without Instruments on Land Fronts.

Hopkins, Lt.-Col. M. D.-An old Table

of Ordnance. (Communicated.)

Hozier, Col. H.M.—Aetheric Signalling. Hudson, Maj. T. R. C.—A Consideration of the different Duties of the branches of the R.A.

Inglefield, Maj. N. B.—The Passage of a 4.7" Gun across the Pongola River.

Johnson, Lt.-Col. R. F.-Duncan Essay

(for Subject, see Seton, Lt. G. M.).
- and Capt. L. E. B. Dykes.—
Thoughts on Coast Defence suggested by the Boer War.

Kensington, Lt. G. B.—Air Condensers. Kenyon, Capt. L. R .- The Boer War, 1899-1900.

Development of Field Recent Artillery Material on the Continent, France.

Kough, Capt. T. M.—Early Artillery. Moberly, Lt. A. J.—Controlling Recoil of 6" Q.F. Guns mounted on Rail-

way Trucks.

Moore, Capt. W. H.—Duncan Essay (for Subject, see Seton, Lt. G. M.).

Murdoch, Maj. R. H.—'The Dickson

Memoirs. Series "A" from 1294

to 1794.

"The Training, Organisation, and Equipment of Companies of the Royal Garrison Artillery, with Medium Guns, and Howitzers, and their Tactics in future Field Operations.

- The Type of Guns that should be employed in the Field.

O'Callaghan, Maj.-Gen. D. D. T.— Artillery Manœuvres at Malta.

Orr, Capt. C. W. J .-- Pom Poms. Owen, Capt. C. R. B.—Air Condensers. Parsons, Col. L. W.—Training the

Intelligence, etc. of Officers, N.C.O.'s and Men.

Patch, Maj. F. R.—Pom Poms. Phillips, Lt. Col. T. V. W.—Field Glasses and Telescopes.

Powles, Maj. T. W.—Proposed Method of increasing Breadth of Tyres of a 6" Howitzer Carriage for a 4.7" Gun. Prinsep, Lt.-Col. D. G.-Field Glasses

for Artillery. Returns.—Showing Casualties, etc. in R.A. during Campaign in South Africa, 1899-1901.

Robinson, Capt. E. H.—Air Condensers. Saunders, Col. M. W .- Field Glasses for Service.

 Optical Aids for Military Purposes.
 Seton, Lt. A. M. — The Training,
 Organisation, and Equipment of Companies of the Royal Garrison Artillery with Medium Guns, and Howitzers, and their Tactics in Future Field Operations. (Com-mended Duncan Essay.)

White, Maj. H. S.—Personal Equipment in Field Artillery.

INSTITUTION OF NAVAL ARCHITECTS.

5 ADELPHI TERRACE, STRAND, W.C. (FOUNDED 1860.)

Officers.—President: The Right Hon. Earl of Glasgow, G.C.M.G., LL.D. Secretary: R. W. Dana, 5 Adelphi Terrace, W.C.

Meetings. - Week before Passion Week. The Annual Summer Meetings are in June or July.

Membership,—The Entrance Fee for Members and Associates is 42s.; and the Annual Subscription is 42s.

Papers read at the Meetings held in March 1902, published in "Transactions," and also obtainable on application in pamphlet form at various prices.

Barnaby, S. W.—On Torpedo Boat Destroyers. Mar. 19. Boobnoff, I. G.—On the Stresses in a

Ship's Bottom Plating due to Water Pressure. Mar. 19. Conductors. Mar. 21.

Clowes, W. L.—Modern Scientific Dalby, Prof. W. E.—A Comparison of

Developments and the Future of

Naval Warfare. Mar. 21. Cohen, Prof. E.—The Corrosion of Condenser Tubes and Sea-water

Five Types of Engines with respect | to their Unbalanced Forces and Couples. Mar. 21.

Dunkerley, Prof. S .- The Straining Forces in Crank Shafts. Mar. 20.

Fairburn, W. A .- The Methods of Handling Material over Shipbuilding Berths in American Shipyards. Mar. 21.

Flannery, Sir J. F .- Liquid Fuel for Ships. Mar. 20.

Gray, J. M.—A Note on Simpson's Rules. Mar. 21.

Gumbel, Herr L.-Torsional Vibrations of Shafts. Mar. 20.

Russo, Capt. G.—The Navipendular

Method of Experiments, as applied to some Warships of different Classes. Mar. 20. Stromeyer, C. E.—Distortion in Boilers due to Overheating. Mar. 21.

Younger, A. S.-Improvements in Propeller Shaft Bearings. Mar. 20.

SHIPMASTERS' SOCIETY,

DIXON HOUSE, LLOYDS' AVENUE. (Founded 1876.)

Officers. - President: Rt. Hon. Sir C. W. Dilke, Bart., M.P. Secretary: Capt. J. Munro Reid.

Meetings,-Last Friday of the month, alternately, from October to April (except December). The Annual Meeting was held on the 10th July.

Membership.—Annual Subscription, 10s. 6d. to 21s., according to Rating.

Papers read in 1902.

Clarke, Capt. A. W.—Some Past and | Thomson, Comd. A. S., C.B., R. N.R.— Present Problems of the Mercantile Marine. Jan. 17.

Anchors. Feb. 7.

SECTION IX.

AGRICULTURE AND HORTICULTURE.

LONDON.

ROYAL AGRICULTURAL SOCIETY OF ENGLAND,

13 HANOVER SQUARE, W.

(FOUNDED 1838; INCORPORATED 1840.)

- Officers.—President: H.R.H. The Prince of Wales, K.G. Secretary: Sir Ernest Clarke, M.A., F.S.A.
- Meetings are held for the Transaction of Business only. The Annual Meeting is held in May.
- Membership.—Annual Subscription: for Governors, £5; for Members, £1. Life Composition: for Governors, £50; for Members, £15. Number of Members, about 11,000.
- The "Journal" of the Society for 1901, renumbered Vol. LXII., price 12s. (Murray), contains the following:—
- Annual Report for 1900 from the Principal of the Royal Veterinary College.
- for 1901 of the Consulting Chemist.
- for 1901 of the Consulting Botanist.
- for 1901 of the Zoologist. Reports of the Council.
- Report of the Field and Feeding Experi-
- ments at Woburn.

 Experiments in Pot Culture at
- Woburn. (Illustrated.)
 on the Results of the Second
 Examination for the National
 Diploma in Agriculture, 1900.
- Diploma in Agriculture, 1900.

 The Assistant Editor.—The Cardiff Meeting, 1901.
- Evoing, Prof. J. A., F.R.S. The Trials of Portable Oil Engines at Cardiff.
- The Trials of Ice-making Plant at Cardiff.
- Gilchrist, D. A., B.Sc.—The Education of the Young Farmer.
- Grenville, R. N.—Some Practical Hints on Cider-making.

- Hall, C. P.—Miscellaneous Implements
 Exhibited at Cardiff.
- MacFadyean, Prof. J., M.A.—The Relationship between Human and Bovine Tuberculosis.
- Epizootic or Contagious Abortion.

 Percival, Prof. J. P., M.A.—The Hop
 and its English Varieties.
- Prothero, R. E., M.A.—English Agriculture in the Reign of Queen Victoria.
 - [Notes, Communications, etc.]
- In Memoriam.—Sir J. H. Gilbert (by J. A. Voelcker).
- The Weather of 1900-1901. British Rainfall, 1900.
- Rainfall, Temperature, and Bright Sunshine in 1900.
- Statistics affecting British Agricultural Interests.
- Rating of Agricultural Land.
- Market Gardeners Compensation Act.
 Preservatives and Colouring Matters in
 Food.
- Francis, Duke of Bedford (1765-1802).

ROYAL HORTICULTURAL SOCIETY,

117 VICTORIA STREET, S.W. (Founded 1804; Incorporated 1809.)

Officers. - President: Sir Trevor Lawrence, Bart. Secretary: Rev. W. Wilks, M.A.

Meetings. -On alternate Tuesdays, at 1 P.M. The Anniversary Meeting takes place in February.

Membership. —Annual Subscription for Fellows (according to privileges), 4 or 2 Guineas or 1 Guinea; composition for each, 40, 25, or 15 Guineas.

Publication. - Journal, published quarterly, 7s. 6d. per part.

THE BRITISH PTERIDOLOGICAL SOCIETY.

- Officers. President: C. T. Druery, F.L.S. Hon. Secretary: George Whitwell, Serpentine Cottage, Kendal.
- Objects.-To increase the knowledge of British Ferns, and gather information respecting New Varieties, either wild or cultivated, and record and propagate such information among Fern enthusiasts generally.
- Meetings.—Annually, as determined at the previous Annual Meeting. The 1901 Meeting was held on August 4.
- Membership. -- Annual Subscription, 5s.
- Publication.—Annual Report, containing papers on Varietal Ferns of British Origin, 1s.

COUNTRY.

BATH AND WEST AND SOUTHERN COUNTIES SOCIETY.

4 TERRACE WALK, BATH. (Founded 1777.)

Officers, -President: The Duke of Beaufort. Secretary and Editor: Thomas F. Plowman, 4 Terrace Walk, Bath.

Meetings. —Last Tuesday in January, March, April, July, and October. Annual General Meeting, May 27-31.

Membership.—Annual Subscription: for Governors, £2; for Ordinary Members, £1.

Publication. - Journal, annually, 6s. 4d., post free.

Contents of Volume XII. (Fourth Series), 1901-1902.

Ashcroft, W.—Report of an Experi- | Associate Editor, The.—Note on the ment for Ascertaining the Influence of Various Manures upon the Production of Mutton.

- and F. J. Rowbotham. - Reports upon the Society's Experiments for the Improvement of Permanent Pastures.

Three Preceding Articles.

Brown, Prof. Sir G. T., C.B.—The British Congress on Tuberculosis. Carruthers,

ruthers, W., F.R.S.—Annual Report of the Society's Consulting Botanist. Farwell, F. G., J. Harper, and T. F.

Digitized by Google

Plowman. — The Drying and Evaporation of Fruit and Vegetables.

Farwell, F. G.—The Society's 1901 Exhibition of Cider.

Hughes, J., F.I.C.—Basic Superphosphate: its Composition and Use as a Manure.

Hurle, J. C.—Some Lessons of the Weigh-Bridge.

Lloyd, F. J., F.I.C. — Experiments on Cider - Making. Report for 1901.

- The Fat Globules in Milk.

Lloyd-Baker, G. E.—Payment for Milk according to Analysis as Practised in Belgium.

Mallett, \dot{W} . R. -English Wheats, 1875-1901.

Mathews, E. - Report on the Churnability of Cream Trials carried out at the Society's Show at Croydon, May 1901.

M'Connell, P., B.Sc.—American Farm Implements.

Michelmore, A.—South Devon Cattle, Plowman, T. F.—The Society's Dairy and Farriery Schools.

- The Society's Exhibition at Croy-

Somerville, W., D.Sc.—Agricultural Progress in the 19th Century.

Voelcker, Dr J. A., and E. Mathews.—
The Milk and Butter Test Classes
at the Croydon Exhibition.

— Annual Report of the Society's Consulting Chemist.

Walker, E. G. F. — Small Farming at the

Walker, E. G. F.—Small Farming at the Beginning of the 20th Century. Short Articles on Agricultural Subjects.

Notes on New Books.

Awards, Prize Lists, etc.

BIRMINGHAM BOTANICAL AND HORTICULTURAL SOCIETY,

BOTANICAL GARDENS, EDGBASTON, AND THE UNIVERSITY, BIRMINGHAM. (FOUNDED 1829.)

Officers.—President: Right Hon. Lord Calthorpe. Hon. Secretary: Prof. Hillhouse, M.A., F.L.S., The University. Assist. Hon. Secretary: A. V. Blakemore, B.A., Augustus Road, Edgbaston.

Meeting .- The Annual Meeting is held in July.

Membership. - Annual Subscription, 25s.

Publication, 1901.—Report, including Botanical and Horticultural Appendices and Meteorological Statistics.

LOCAL ASSOCIATIONS.

Royal Counties Agric	cultural Association.
	do. do.
	do. Society.
	do. do.
	do. do.
Bridlington	do, do.
	l Bucks Agricultural
Association.	
Cambridgeshire and	Isle of Ely Agricultural
Society.	• • •
Chertsey Agricultura	d Association.
Cleveland do.	do.
Royal Cornwall Agric	cultural Society.
Craven	do. do.
West Cumberland	do. do.
Devon County Agricu	
Doncaster Agricultur	ral Society.
Dorchester do.	do.
Essex do.	Association.
Faversham do.	do.
Frome and District A	Agricultural Society.
	ale do. Association.
Herefordshire Agricu	
	do. do.
Lincolnshire o	do. do.

oom tono.			
Lincolnshire Ch	amber	of Agri	culture.
Malton Agricult	tural Sc	ciety.	
	lo.	do.	
Nottinghamshir			Society.
Oswestry		lo.	do.
Oxfordshire		lo.	do.
Peterborough		io.	do.
Princes Risboro		io.	do.
Richmond and	onire A	gricuit	urai Society.
Shrewsbury and			
Shropshire Agri			
Sittingbourne		do.	
Suffolk	do.	do.	
Thorpe and Egh	ıam Agı	ricultui	al Society.
Tring Agricultu	ral Soci	ety.	-
Great Torringto	n Agric	ultural	Society.
Warwickshire	•	do.	do.
Westmorland		do.	do.
Wetherby		do.	do.
Wharfedale		do.	do.
Whitby		do.	do.
Wirrall		do.	do.
Worcestershire		do.	do.
Vorkshire		do.	do.

SCOTLAND.

ROYAL SCOTTISH ARBORICULTURAL SOCIETY.

5 ST ANDREW SQUARE, EDINBURGH. (Founded 1854.)

Officers. - President: Earl of Mansfield. Hon. Secretary: Robert Galloway, S.S.C.

Meetings.—Annual Meeting in January, and General Meeting usually in August.

Membership .- No Entrance Fee ; Subscriptions :-

Large Landowners, . Annual, 1 1 0 or Life, 10 10 0 Factors, Nurserymen, &c., Small 0 10 в 5 5 0 ,, Foresters, Gardeners, Land Stewards, &c., . 0 6 3 3 0 ,, Assistant Foresters, &c., 0 0 4

List of Papers published in "Transactions," Part II., Vol. XVI., price 5s.

Report of Deputation from the Society Mackenzie, D. F., F.S.I.—Forestry received by the Right Hon. R. W. Section of the Highland and Hanbury, M.P., President of the Board of Agriculture, 9th October Inverness, July 1901.

Annand, J. F.-The White American Spruce (Picea alba) as a Wind-Mantle.

Anonymous. -Of Damage done to Trees by the Shale Industry.

World's - Insufficiency of the Timber Supply

Bailly, Col. F.—Notes on the Forests of Norway.

C. Ferguson, R. M., M.P.-The Adornment Arboricultural ۸f Towns.

Hints on the Training Foresters.

Gamble, J. S., C.I.E., F.R.S.—The Forestry Exhibition at Paris, and some of its Lessons.

Glen, D. A .- Forestry in Kent and Sussex.

Macdonald, G. U.—Notes on Forest Work.

- Report showing the Financial Results of the Cultivation of Timber.

Abstract of Returns of Prices of Home-grown Timber in 1901.

M'Pherson, J.—Manufacturing Timber. Pearson, J.—The Valuation of Woods or Plantations for the Purpose of Transfer.

Rafn, J.—Further Notes on Tree Seed-Testing, 1900-01. Sampson, H. C., B.Sc.—Report on the Effects of a Hailstorm to Growing Timber Crops.

Schlich, Dr W., C.I.E., F.R.S.—The Outlook of the World's Timber Supply.

Story, F.-A Visit to German Forests. The Annual Excursion in 1901.

Notes and Queries. Proceedings of the Royal Scottish Arboricultural Society.

HIGHLAND AND AGRICULTURAL SOCIETY OF SCOTLAND.

S GEORGE IV. BRIDGE, EDINBURGH.

Officers. - President: The Earl of Aberdeen. Secretary: James Macdonald, F.R.S.E.

Meetings. -Ordinary Meetings, first Wednesday in each month from November to June. The Annual Meeting is held in January.

Membership.-No Entrance Fee; Annual Subscription: for Landowners, 23s. 6d.; for Tenant Farmers, 10s.; Life Composition, £12, 12s. and £5, 5s. respectively.

Publication. - Transactions, price 5s.

Agricultural Research Association. Royal Northern Agricultural Society, Angus Agricultural Association. Ayrshire Border do. do. do. do. Bute Farmers' Society. Carluke Agricultural Society. Dalkeith do. do. Dumbartonshire Agricultural Society. Dunblane do. do. Duncon do. do. Kilmarnock Agricultural Society.

Lanarkshire Agricultural Society. Lesmahagow do. do. West Linton do. United East Lothian Agricultural Society. Old Monkland do. do. Orkney do. do. Peebles do. do. Renfrewshire do. do. E. Dist. of Stirlingshire Agricultural Society. Teviotdale Agricultural Society. West Teviotdale do. do.

IRELAND.

ROYAL HORTICULTURAL SOCIETY OF IRELAND.

5 MOLESWORTH STREET, DUBLIN. (Founded 1830.)

Officers. —President: Rt. Hon. Lord Ardilaun, D.L. Secretary: W. Keating, jun.

Meetings. —Second Thursday in each month at 4 P.M. The Anniversary Meeting takes place in December. Four Shows are held each year.

Membership.—No Entrance Fee; Annual Subscription, 21s. and 10s. 6d. for Practical Members.

Royal Agricultural Society. North-East Agricultural Society. Coleraine Agricultural Society.

ADDENDUM ON AGRICULTURAL EXPERIMENTAL STATIONS.

ROTHAMSTED.

Mr (afterwards Sir) John Bennet Lawes was the founder of the Rothamsted Experimental Station. He commenced experiments with different manuring substances, first with plants in pots, and afterwards in the field, soon after entering into possession of his hereditary property at Rothamsted in 1834. The researches of De Saussure on vegetation were the chief subjects of his study to this end. Of all the experiments so made, those in which the neutral phosphate of lime, in and the experiments so made, those in which the neutral phosphate of lime, in bones, bone-ash, and apatite, was rendered soluble by means of sulphuric acid, and the mixture applied for root-crops, gave the most striking results. The results obtained on a small scale in 1837, 1838, and 1839 were such as to lead to more extensive trials in the field in 1840 and 1841, and subsequently.

In 1843, more systematic field experiments were commenced; and a barn, which had previously been partially applied to laboratory purposes, became almost exclusively devoted to agricultural investigations. The foundation of the Rothamsted Experimental Station may be said to date from that time (1848)

The Rothamsted station has from the commencement been entirely disconnected from any external organisation, and was at first wholly maintained at the cost of Sir John Lawes, who afterwards set apart a sum of £100,000, the Laboratory, and certain areas of land, for the continuance of the investigations after his death. In February 1889, Trustees were appointed, and the necessary Trust Deed was executed; and, in accordance with the provisions of the Deed, a Committee of Management was soon afterwards appointed, and entered upon its duties. From June 1843 up to the date of Sir John Lawes' death, which occurred August 31, 1900, Dr (afterwards Sir) J. Henry Gilbert was associated with him in the conduct of the experiments. Sir Henry Gilbert died December 23, 1901.

The Trustees are:—

Lord Avebury, F.R.S.
Lord Walsingham, F.R.S.
Sir John Evans, K.C.B., F.R.S.

The Committee consists of nine Members:—
Sir John Evans, K.C.B., F.R.S. (Chairman Dr. Hugo, Müller, F.R.S. (Tressurer))

Sir John Evans, K.C.B., F.R.S. (Chairman).
Dr Hugo Müller, F.R.S. (Treasurer).
Sir Michael Foster, Sec. R.S.
Horace T. Brown, Esq., F.R.S.
Prof. H. E. Armstrong, F.R.S. (Pres. Chem. Soc.)
William Carruthers, Esq., F.R.S.
Sir John H. Thorold, Bart.
Dr J. A. Voelcker
And Sir Chas. Lawes-Wittewronge, Bart.

Those wishing to inspect the experiments should address themselves to the Director, Mr A. D. Hall, M.A., Rothamsted Experimental Laboratory, Harpenden.

Office of the Trust.—Royal Society, Burlington House, Piccadilly, W. Secretary to the Committee.—Herbert Rix, Esq., B.A.

THE WOBURN EXPERIMENTAL FARM.

The next Station of the kind established in England was started in the year 1877 by the Royal Agricultural Society at Woburn, Bedfordshire. The Field Experiments here carried on comprise:—The Effects of different manures on Wheat and Barley grown year after year upon the same land; the Permanence of different kinds of Rye-Grass and of Clover; Rotation Experiments; Green Manuring; the Manurial Values of Decorticated Cotton Cake and Maize Meal; and Grass, Clover, and Pasture Experiments. Other Miscellaneous Experiments relate to the use of "Nitragin" for leguminous crops; the disease of "Finger and Toe" in Turnips; and the Potato disease. During previous years, Experiments in the Winter Feeding of Bullocks and Sheep have been carried out, and similar Experiments were made during the past season of 1901-2. Reports on the Experiments, when completed, are published from time to time in the Society's Journal. A "Pot Culture" Station was established in 1898 in connection with the Farm. The Experiments are conducted by the Society's Consulting Chemist (Dr J. Augustus Voelcker, M.A., B.Sc.) under the direct supervision of the Council. A Laboratory has also been creeted, in which the chemical work connected with the Woburn Experiments is now conducted. A record of Meteorological Observations is kept, and the Farm has been constituted a Reporting Station under the Meteorological Office.

SCOTLAND.*

In Scotland, the Agricultural Research Association of the North-Eastern Counties, of which the Director is Mr Thomas Jamieson, F.I.C., of 10 Belmont Street, Aberdeen, has an Experimental Station at Glasterberry, Milltimber, near Aberdeen. This Association is the first of the kind in Scotland, and is supported by the landlords and farmers over a wide district, who subscribe from One to Ten Guineas annually, and subsidised by a Grant from the Board of Agriculture.

During the past year the experiments that have been going on for fully fifteen years on the permanence of the various manures and on the effect of different kinds of manures, as well as the varied experiments on Grasses and Grazing, have been continued. The more scientific experiments conducted under glass on various questions relating to the Science of Agriculture are also in progress.

The trials that form the feature of the present time, however, refer to the cross-fertilisation of Oats by natural agencies, in order to find if, on practice on the

^{*} Information unrevised from last issue of the Year Book, no return having been received for the current year.

large scale, farmers might secure the benefits of a first cross. Darwin, acting on conspicuous flowers, had found that plants actually prefer to be crossed, and that greater weight and vigour is a consequence of such crossing, but he imagined that the wind acted in only an unimportant degree in the transmission of the pollen Later experimenters had found that cereals formed no exception to the points brought out by Darwin, and they emphasised the inability of wind to effect the purpose of transmission of pollen, and regarded such natural crossing as rare. The Association's experiments, however, have brought out, in the clearest manner, that such natural crossing takes place freely, and that the benefits of a first cross may be directly secured by the agriculturist without more trouble than may easily be given on the large scale.

These experiments have been continued during the past season, with the view of finding if such self-crossing is associated with increase of produce by increased vigour, and the preliminary trials indicated that such increase is attainable.

The latest experiments have shown that a decided increase in crop is obtainable by taking advantage of this simple means of securing cross-fertilisation. During the past three years the average increase in grain amounted to 24 per cent.

This inquiry has led to the deeper, and from the scientific point of view, much more interesting one, of the actual nature of fertilisation in plants, which already has led to several interesting results, such as the discovery that the pair of plumes standing on the ovary of all the cereals and grasses, which have, hitherto, been regarded as stigmas, really performed no stigmatic function at all, but served the purpose of driving out the anthers when ripe to spread the pollen outside in order to secure cross-fertilisation generally. The ovary at this stage is not ripe, and when, a little later on, it ripens, the flower opens to enable it to receive flying pollen in return. The inquiry is being continued, and promises to give results bearing upon fertility and sterility in both plants and animals.

Trials have also been made to ascertain the relative characters of the different

varieties of Oats, with the view of finding which variety might be crossed with greatest promise of getting benefit of both better quality and greater quantity of

The Annual Report for 1901 is published by Wyllie and Sons, Aberdeen, price 1s.

SECTION X.

LAW.

LONDON.

THE INCORPORATED LAW SOCIETY OF THE UNITED KINGDOM

(INSTITUTED 1827; INCORPORATED 1832; RE-INCORPORATED 1845), 103 TO 113 CHANCERY LANE, LONDON, W.C.

Officers.—President: Sir Henry Fowler, M.P., G.S.C.I. Secretary: Edward Walter Williamson. Librarian: Frederick Boase.

Meetings.—On Fridays at 2 P.M., except during the Vacations.

Membership.—Annual Subscription: for Town Members, Two Guineas; Country Members, One Guinea. One half the Fees are remitted after 3 years admission to the Rolls.

Publications.—Reports, The Registry, monthly.

Papers read at the Twenty-Eighth Annual Meetiny (held at Oxford, October 8 and 9, 1901, and published in the "Proceedings."

Armitage, F.—A Plea for New Scales | Phillimore, of Costs in Actions. | Council

Beale, J. S.—The Profession and the Society. The Society and the Council.

Bentwich, H., LL.B.—A Plea for a General School for Law.

Dodd, G. R.—Legal Remuneration. Fowler, Sir H., G.C.S.I., M.P.—

President's Address.

Gore, T. H.—The Larceny Act, 1901,
as affecting Solicitors.

Phillimore, W. P. W., B.C.L.—
Council Elections.

Poole, R.—Fire Insurance as between Vendor and Purchaser on a Contract for Sale of House Property. Rubinstein, J. S.—Land Transfer: a

Legislative Blight.
Simpson, W.—Codification of English

Simpson, W.—Codification of English

Wilson, M.—The Workmen's Compensation Acts, 1897 and 1900.

THE CHARTERED INSTITUTE OF PATENT AGENTS,

'19 SOUTHAMPTON BUILDINGS, CHANCERY LANE, W.C.

(Founded August 12, 1882; Incorporated by Royal Charter, 1891.)

Officers.—President: P. M. Justice. Secretary and Registrar: H. Howgrave Graham.

Meetings.—On Wednesdays, at 8 P.M., from November to May. The Annual Meeting takes place in May.

Membership, -

Town Fellows,					nce Fees. luineas.		Subscriptions Juineas.	•
Country ,,				2	,	2	"	
Associates,			•	1	,,	1	,,	
Students,			•	1	,,	1	,,	
Foreign Membe	rs	•		2	,,	1	,,	

Publications during 1901, -Supplements to Patent Laws of the World (various prices). Register of Patent Agents, 1s. Examination Papers (1901), 1s.

Papers read from December 1901 to May 1902, and printed in the "Transactions."

Clarkson, G. J.—Desirable Alterations | Justice, P. M.—President's Opening in the Existing Patent Law. Feb. 5.

Douglas, G. C.—Would it be to the Advantage of the Empire to have one Imperial Patents' Act and one Imperial Patent Office? Apr. 9.

Address. Dec. 4. Maybee, J. E .- The Drafting of Claims in Canadian and U.S. Patent Office Practice. Jan. 15.

SCOTLAND.

JURIDICAL SOCIETY OF EDINBURGH.

40 CHARLOTTE SQUARE.

Officers.—Presidents: J. D. Millar, M.A., LL.B.; J. Lamb, M.A.; A. M. Hamilton, M.A., LL.B. Secretary: R. C. Henderson, M.A., LL.B., 48 India Street. Librarian: A. Taylor, M.A., LL.B.

Meetings.—On Wednesdays, at 8 P.M., from November to March (except during recesses of the Court of Session).

Membership.—Entrance Fee, Five Guineas; Annual Subscription, 31s. 6d.

[No Return.*]

COUNTRY.

LIST OF PROVINCIAL LAW SOCIETIES.

Name of Society.	President.	Secretary.	Secretary's Residence.
Anglesea and Carnarvonshire, Ashton-under-Lyne, Stalybridge, and District.	C. A. Jones. F. W. Bromley	W. Thornton Jones. W. A. Wilkinson.	Bangor. Ashton-under-Lyne.
Bath, Berks, Bucks, and Oxfordshire (Incorporated),	E. C. Petgrave. H. Baines.	J. H. Wilson. D. H. Witherington.	Bath. Reading.
Birmingham (Incorporated), Blackburn (Incorporated),	R. A. Pinsent. E. Cooper.	Walter Barrow.	Birmingham. Blackburn.
Blackbool, Fleetwood, and Fylde	W. J. Read.	Geo. Porter. S. S. Waterhouse.	Blackpool.
District,	Jas. Robinson. James Druitt, sen.	James Watkins. E. H. Bone	Bolton. Bournemouth.
Bradford (Incorporated), Bristol (Incorporated),	W. H. Scott. S. S. Gouldsmith.	R. J. Sugden. W. W. Ward; J. N. C. Pope.	24 Bank St., Bradford. Bristol.
Burnley (Incorporated),	R. Procter. P. Watson.	T. B. Nowell. H. W. Chell.	Burnley.
Bury (Incorporated),	J. H. Orme.	S. Taylor.	Bury. Buxton.
Cambridgeshire,	G. A. Matthew. J. W. Morris. J. Bendle.	Jno. Collin.	Cambridge. Cardiff.
Cardiff (incorporated),	J. Bendle.	G. F. Hill. I. H. Mawson.	Cardin.
Carlisle, Chester and N. Wales (Incorp.),	F. W. Sharpe.	Rd. Farmer. Jno. Miller.	Chester. Chorley.
Chorley,	D. H. Shilson.	P. M. Coode.	St. Austell.
Derby,	W. B. Woodforde. F. Wauts.	P. M. Coode. W. H. Milns-Marsden. H. R. Burch.	Derby. Exeter.
Dewsbury (Incorporated),	J. A. Stanleton.	G. E. B. Blakeley.	Dewsbury.
Dorset, Durham (South) and N. Yorkshire	A. Pope. J. T. Proud. W. Forrester.	A. G. Symonds.	Dorchester. Middlesbrough.
Gloucestershire and Wiltshire (Incorporated),		J. M. Meek. J. W. Coren.	Gloucester.
Goole and District,	G. England.	R. Haldenby. J. Bairstow.	Goole. Halifax.
Halifax (Incorporated), . Hampshire (Incorporated), .	Fk. Walker. W. E. Foster.	A. W. Brain. J. R. Symonds. C. E. Longmore.	Southampton.
Herefordshire (Incorporated), Hertfordshire,	J. R. Symonds. E. P. Debenham.	J. R. Symonds.	Hereford. Hertford.
Huddersfield, .	E. F. Brook.	E. Gordon Learoyd.	Buxton Rd., Hudders- field.
Hull (Incorporated), Kent,	T. L. Locking. A. A. Arnold.	T. W. Holdich. F. R. Howlett.	Hull. Maidstone.
Lancaster,	A. A. Arnold. L. Holden.	Lawrence Holden.	2 Castle Hill, Lancaster.
Leeds (Incorporated),	Ht. Denison. W. J. Freer.	A. C. Peake. W. Simpson.	Leeds. Leicester.
Lincoln,	W. J. Freer. J. T. Tweed. A. S. Mather.	W. Simpson. W. B. Danby. A. J. Cleaver; P. Dobell. J. G. Roberts. J. Bury; A. E. Paterson.	Lincoln.
Liverpool (Incorporated), Luton,	W. Neve.	J. G. Roberts.	Liverpool. Luton.
Manchester (Incorporated), .	J. T. Doyle	J. Bury; A. E. Paterson.	
Merthyr Tydfil and Aberdare, Monmouthshire (Incorporated),	David Richards. C. R. Lyne.	J. Bury; A. E. Paterson. W. W. Meredith. G. H. Llewellyn.	Merthyr Tydfil. Newport, Mon.
Newcastle-on-Tyne (Incorp.), ".	···	R. Pybus.	42 Moseley Street, New- castle-on-Tyne.
Northampton,	Thos. Green.	W. B. Shoosmith.	Northampton.
North Lonsdale,	Thos. Green. S. E. Major. F. O. Taylor.	H. G. Pearson; R. Bell. Dr E. E. Blyth.	Barrow-in-Furness. Norwich.
Norwich and Norfolk (Incorp.), Nottingham (Incorporated),	F. Acton. W. R. Clark.	A. Bariow.	Nottingham.
Oldham,	W. R. Clark. J. H. Ellis.	F. Megson. R. B. Johns; J. Y. Wooll-	Oldham. Plymouth.
, , , , ,	J. J. Johnson	combe.	Preston.
Preston,	A. A. Arnold.	J. J. Dallas. A. B. Challis.	Rochester.
St Helen's and District,	J. Massey J. E. T. Graham.	B. Brewis. W. H. Fowler.	St. Helens. Scarborough.
Sheffield District (Incorporated),	R. Benson.	E. Bramley.	Sheffield.
Shropshire,	S. M. Morris.	T. H. Hignett; Rowland T. Hughes.	Shrewsbury.
Somersetshire,	Rd. Harris. R. Brown.	E. H. Watson. J. Grundey.	Taunton. Stockport.
Sunderland (Incorporated), .	J. G. Marshall.	K. Storey.	Sunderland.
Sussex,	Hugh J. Verrall.	J. W. Howlett; A. C. Borlase.	4 New Road, Brighton.
Swansea and Neath (Incorp.), Wakefield (Incorporated),	E. H. Plant. A. D. Smith.	D. Seline; A. Ingram. E. D. Mackie; B. S. Briggs.	Swansea. Wakefield.
Westmorland,	Jno. Bolton.	R. F. Chorley. H. J. Whiteside. T. G. Greensill.	Kendal.
Whitehaven,	Jno. Webster. G. M. Martin.	n. J. whiteside. T. G. Greensill.	Whitehaven. Wolverhampton.
Worcestershire (Incorporated), .	S. Southall.	W. R. Hulme.	Worcester.
Yarmouth (Great), Yorkshire,	E. W. Worlledge. H. Green.	G. H. L. Blake, H. V. Scott. A. C. Peake.	Great Yarmouth. York.
Yorkshire,	A. Middleton.	A. C. Peake.	Leeds.

SECTION XI.

LITERATURE AND HISTORY.

LONDON.

BALLAD SOCIETY. (FOUNDED 1868.)

Officers. - Editor-in-Chief: Rev. J. W. Ebsworth, M.A. Hon. Secretary: W. A. Dalziel, 67 Victoria Road, Finsbury Park, N.

Membership. —Annual Subscription, 21s.

Publication, 1901.—Roxburghe Ballads, Part XXVII., completion of second Division and Series, Prefatory Notes, Ballad Index to both Divisions.

THE BIBLIOGRAPHICAL SOCIETY,

20 HANOVER SQUARE, W. (Founded 1892.)

Officers. - President: Francis Jenkinson, M.A. Hon. Secretary: A. W. Pollard. M.A., 10 Lauriston Road, Wimbledon Common, S.W.

Meetings,—Third Monday in each month, from October to March inclusive, at 5 P.M. The Anniversary Meeting is in December.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

Publications during 1901 (issued to Members only).—Transactions, Vol. VI. Part 1: A List of Masques, Pageants, etc., by W. W. Greg.

List of Papers read during Session 1901-1902. Those marked * are published in "Transactions," Vol. V.

W. E.—The Bibliography of lton. Dec. 1901. Baxter. Milton.

Books of the first half of the 17th

Davenport, C.—Leathers used in Book-binding. Oct. 1901.

Century. Feb. 1902. Gray, G. J.—The Early Stationer and Bookbinder of Cambridge. Nov. 1901.

binding. Oct. 1901.
Foster, Prof. W.—English Educational Wheatley, H. B.-English Book Illustration. Jan. 1902.

HENRY BRADSHAW SOCIETY.

(FOUNDED 1890.)

Officers. - President: The Bishop of Salisbury. Chairman of Council: Dr J. W. Legg. Hon. Secretary: Rev. H. A. Wilson, Magdalen College. Oxford:

Meeting. -The Annual General Meeting takes place in November.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publications in 1902.—Facsimiles of Horæ B.M.V., 4to, by E. S. Dewick; Directorium Sacerdotum, edited by Chr. Wordsworth, Vol. II., 8vo., by Clement Maydestone; Report and List of Members.

THE BRITISH RECORD SOCIETY (LIMITED),

124 CHANCERY LANE, E.C.

(Founded 1888; Incorporated 1893.)

(With which is incorporated the Index Society, founded 1878.)

Officers. - President: Rt. Hon. Lord Hawkesbury, K.T. Hon. Secretary: S. J. Madge, 67 Rathcoole Avenue, Hornsey, N.

Meetings.—The Annual Meeting takes place in May.

Membership, -No Entrance Fee; Annual Subscription, 21s.

Publications.—This Society publishes The Index Library (quarterly to subscribers only).

[No Return.]

CARLYLE SOCIETY.

ANDERTON'S HOTEL, FLEET STREET, E.C. (FOUNDED 1879.)

- Officers. President: Dr Eugene Oswald, M.A. Hon. Secretary: H. W. Macrosty, B.A., 81 St John's Park, Blackheath, S.E.
- Meetings. First Wednesday in each month, from October to June, at 8 P.M. (excepting January), inclusive. The Anniversary Meeting for 1902 will take place December 4.
- Membership. No Entrance Fee; minimum Annual Subscription, 10s. 6d.

Paper read in October 1901.

Palit, L.—The Creation of Industries in India, Oct. 2.

CHAUCER SOCIETY. (FOUND 1868.)

Officers, -Editor-in-Chief: Dr F. J. Furnivall. Hon. Secretary: W. A. Dalziel, 67 Victoria Road, Finsbury Park, W.

Membership. —Annual Subscription, 42s.; no Entrance Fee.

Contributions during 1901.

Beatty, A., M.A. - Supplementary | Spurgeon, Miss V. F. E.-R. Brath-Canterbury Tales.

Furnivall, Dr F. J.—The Cambridge MS. Dd. of the Canterbury Tales.

wait's Comments on Two Tales of Chaucer, 1665.

CYMMRODORION, HONOURABLE SOCIETY OF.

NEW STONE BUILDINGS, 64 CHANCERY LANE, W.C.

- Officers. President: Rt. Hon. Lord Tredegar. Secretary: E. Vincent Evans. Cymmrodorion Library, 64 Chancery Lane, W.C.
- Meetings. Monthly, on Wednesdays, from November to June at 8 P.M. The Anniversary Meeting takes place in November.
- Membership, -Annual Subscription, 21s.

Publications, 1901.—Y. Cymmrodor, Vol. XIV., containing "English Law in Wales and the Marches," by Henry Owen, D.C.L.; "The Broughtons of Marchwiel," by Alfred N. Palmer: "Vita Sancti Kebie," by the Rev. S. Baring-Gould, M.A.; "The Expulsion of the Dessi," by Prof. Kuns-Meyer; "Side-Lights on Welsh Jacobitism," by J. Arthur Price, etc., etc., 10s. 6d.; The Transactions for the year 1899-1900, containing "Welsh Cave Legends," by Principal Rhys; "Owain Lawgoch," by Edward Owen; "Pennillion Singing," by Wateyn Wyn; "Wales and the Coming of the Normans," by Prof. J. E. Lloyd, M.A., etc., 10s. 6d.; Gildas, Part II., containing Extracts from two Letters, The Lorica and Lives of Gildas, edited by the Rev. Hugh Williams, M.A., 21s.

List of Papers read during Session 1901-1902.

Jones, D. B., Kt., M.P.—Some Aspects of the Ancient Laws and Institutes

of Wales. June.

Morris, Lt. T. E.—The Renaming of Welshmen. Feb. 26.

Williams, T. M., B.A.—The Romance of Welsh Education. Apr. 11. Williams, W. L., B.C.L. - Welsh Catholics on the Continent. May

THE DANTE SOCIETY,

22 ALBEMARLE STREET, W. (FOUNDED 1881.)

Officers. - President: Sir T. Martin, K.C.B. Secretary: Luigi Ricci, B.A.

Objects.—The Encouragement of the Study of the Life and Works of Dante. current year has been signalised by the foundation of the Dante Library to which H.M. the King of Italy (who is a Member of the Society) has presented some rare editions and unique and valuable MSS.

Meetings.—The Annual Meeting is held on the first Wednesday in June. Ordinary Meetings are held on Fridays, November to June, at 8 P.M., and monthly on Wednesdays.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

List of Lectures during Session 1901-1902.

Butler, Prof. A. J., M.A.—The Poets of the 18th Century. June 30.

Douglas, Sir G., Bart. — Giacomo Leopardi, the Younger Brother of

Dante. June 4. Gardner, E. G., M.A.—Dante's Lyrical Poems. Feb. 5.

Grane, Rev. Canon W. L., M.A.-On Reading. Apr. 23.

Griffin, Prof. H., B.A.—Dante's City, as seen by Browning. Dec. 11. Hodgkin, T., D.C.L.—Carlo Martello, Nov. 20.

Moore, Rev. E., D.D.—Dante's Epistle to Can Grande. Mar. 5. Saintsbury, Prof. G., M.A.—Dante and

Wordsworth. May 14.

EARLY ENGLISH TEXT SOCIETY.

(FOUNDED 1864.)

Officers. — Director: Dr F. J. Furnivall, M.A. Hon. Secretary: W. A. Dalziel, 67 Victoria Road, Finsbury Park, N.

Membership. -£1, 1s. a year for the Original Series, and £1, 1s. for the Extra Series, due in advance.

Publications, - (In preparation) Original Series: Minor Poems of the Vernon MS., edited by Dr F. J. Furnivall, Part II., 15s.; The Lay Folks' Catechism. edited by Canon Simmons and Rev. H. E. Nolloth, M.A., 5s.; Robert of Brunne's Handlyng Synne, 1303, re-edited by Dr Furnivall, Part I., 10s. Series: Gower's Confessio Amantis, edited by G. C. Macaulay, M.A., Vol. II., 15s.; Lydgate's Deguilleville's Pilgrimage of the Life of Man, 1426, edited by Dr F. J. Furnivall, Part II., 10s; Lydgate's Reason and Sensuality, edited by Dr E. Sieper, Part I., 5s.; Alexander Scott's Poems, 1568, from the unique Edinburgh MS., edited by A. K. Donald, B.A., 10s.

FOLK-LORE SOCIETY.

22 ALBEMARLE STREET, PICCADILLY, W. (Founded 1879.)

- Officers.—President: E. W. Brabrook, C.B., F.S.A. Hon. Secretary: F. A. Milne, M.A., 11 Old Square, Lincoln's Inn, W.C.
- Meetings. Third Wednesday in November to June inclusive, at 22 Albemarle Street, W. The Anniversary Meeting takes place in January.

Membership.-No Entrance Fee; Annual Subscription, 21s.

Publications during 1900-1901.—Folk-Lore, Vol. XII., £1; Argyleshire Pastimes, by Dr R. C. Maclagan, 10s. 6d.

Papers read during 1901 are published in "Folk-Lore" (Nutt).

THE ENGLISH GOETHE SOCIETY.

ROYAL SOCIETY OF BRITISH ARTISTS, SUFFOLK STREET, S.W. (FOUNDED 1886.)

- Officers.—President: Prof. E. Dowden, Litt.D., D.C.L., LL.D. Secretary: Dr Eugene Oswald, M.A., 49 Blomfield Road, Maida Hill, W.
 - Meetings.—In November, January, February, and July. The Anniversary Meeting for 1902 will take place in November.
- Membership.—Annual Subscription, One Guinea, or Half a Guinea, according to Class.
- Publication during 1902.—The History of the English Goethe Society, reprinted from the Modern Language, Quarterly, Vol. IV., No. 3.

List of Papers read during Session 1901-1902.

Batalha-Reis, J.—Victor Hugo: his Work and Genius. Feb. 26.

Driller, E.—Recitations from Goethe and others. July 5.

Fiedler, Prof.—Goethe's Conception of a World - Literature and its Realisation. Jan. 25.

Ocwald, Dr E.—Goethe and Victor Hugo. Feb. 26. Page, G. A.—Metrical Translations

from Goethe. July 5.
Rippmann, Prof., M.A.—Hans Sachs
and Goethe. Nov. 23.

HARLEIAN SOCIETY,

140 WARDOUR STREET, W. (Founded 1869.)

Officers, -- President: (Vacant). Hon. Secretary: W. Bruce Bannerman.

Meetings .- The Annual Meeting takes place in January; other Meetings as required.

- Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 21s.; and 21s. extra for Register Section.
- Publications issued in 1901.—Musgrave's Obituary, Register Section, edited by Sir George J. Armytage, Bart., F.S.A., Vols. V. and VI., 21s. each; The Registers of Bath Abbey, Vol. II., 1569-1800, edited by Arthur J. Jewers, Esq., 21s. In preparation:—Lincolnshire Pedigrees; The Visitation of Berkshire. Register Section:—The Registers of St Vedast, Foster Lane, E.C.

ROYAL HISTORICAL SOCIETY,

3 OLD SERGANT INN, W.C. (FOUNDED 1868.)

- Officers. President: G. W. Prothero, Litt.D., LL.D. Secretary: H. Hall, F.S.A.
- Meetings.—Third Thursday in each month, from November to June inclusive.

 The Anniversary Meeting takes place in February.
- Membership.—No Entrance Fee; Annual Subscription, 42s.
- Publications during 1901.—Transactions, N.S., Vol. XV. Camden Series, (Third Series).—Vol. III. The Despatches and Correspondence of John, Second Earl of Buckinghamshire, Ambassador to the Court of Catherine II. of Russia, 1762-1765. (Vol. II. New Series). Vol. LXII. Clarke Papers. (Vol. IV.)

List of Papers read during Session 1901-1902.

Gasquet, the Very Rev. F. A.—Some Materials in the Vatican Archives for a New Edition of Polydore Virgil.

Dec. 18.

Hall, H. — England and the Mancipation of South America in the 18th Century. Apr. 17.
 Leadam, I. S.—A Star Chamber Case

Leadam, I. S.—A Star Chamber Case in the Reign of Henry VII. May 15, 1902.

Lingelbach, W. E.—The Sources for the History of the Company of Merchant Adventurers. Nov. 21. Lomas, Mrs S. C.—The State Papers of the Stuart Period as Historical Sources. June 19.

Marsden, R. G.—The High Court of Admiralty in Relation to National History, Commerce, and the Colonisation of America, 1550-1650. Jan. 16.

Prothero, G. W.—Presidential Address. Feb. 17.

Redstone, V. B.—The Social Condition of England during the Wars of the Roses. (Alexander Prize Essay).
Mar. 20.

HUGUENOT SOCIETY OF LONDON.

(FOUNDED APRIL 15, 1885.)

- Officers.—President: A. G. Browning, F.S.A. Hon. Secretary: R. S. Faber, M.A., 90 Regent's Park Road, N.W. Assistant-Secretary: G. H. Overend, F.S.A., 71 Stockwell Park Road, S.W.
- Meetings.—Second Wednesday in January, March, and November, at 8 P.M. The Annual Meeting takes place in May.
- Membership.—Entrance Fee, 1 Guinea; Annual Subscription, 1 Guinea; Life Membership, 10 Guineas.
- Publications, 1901-1902.—Registers of the French Nonconformist Churches, Dublin, 4to, 1901, 15s.; Returns of Aliens in London, Henry VIII.— James I., Part II., 4to, 1902, 21s.; Proceedings, Vol. VI., No. 3., 8vo. 1901, 5s.

Beeman, G. B.—Notes on the Collections in Aid of the Huguenot Refugees made under Briefs in the Reigns of Charles II., James II., and William III. Jan. 8.

Browning, A. G.—Notes in Continua-

tion of the Early History of the French Hospital. Mar. 12. Layard, Miss I. H.—The Sieges of Lourdes during the Wars of Religion. Nov. 13.

THE IRISH LITERARY SOCIETY, LONDON.

- Officers.—President: Rev. Stopford Brooke, M.A. Hon. Secretary: The Hon. W. Gibson, Moorhurst, Holmwood, Surrey. Assistant-Secretary: Miss MacMahon.
- Meetings.—Once a month on Saturday, at 8 P.M., October to May. The Annual General Meeting is in March.
- Membership.—No Entrance Fee; Annual Subscription: for Country Members and Original Members, 12s. 6d.; for Ordinary Members and Associates, 21s.; Life Members, £10, 10s.

[No Return.]

IRISH TEXTS SOCIETY,

8 ADELPHI TERRACE, STRAND, W.C. (FOUNDED 1898.)

- Officers.—President: Douglas Hyde, LL.D., M.R.I.A. Hon. Gen. Secretary: Eleanor Hull.
- Meetings. Annual General Meeting in April each year.
- Membership.—Annual Subscription, 7s. 6d. (American Members, 2 Dollars).
- Publications, 1900-1901.—Vol. III., Dântâ Aodhagáin ut Rathaille [The Poems of Egan O'Rokilly], complete edition, edited by Rev. P. S. Duncan, M.A., 1900; price to Non-Members, 10s. 6d. Vol. IV., Forus Feasa ar Eirinn [History of Ireland], by Geoffrey Keating, Part I., edited by David Comyn, M.R.I.A., price to Non-Members, 10s. 6d.

THE JAPAN SOCIETY,

20 HANOVER SQUARE, LONDON, W. (INSTITUTED 1892.)

- Officers.—President: His Excellency The Viscount Hayashi. Hon. Secretaries: Charles Holme; G. Ukita. Assistant-Secretary: A. E. Brice.
- Meetings.—Ordinary Meetings on the second Wednesday in each mouth, from October to June, at 8.30 P.M. The Annual General Meeting takes place in June.
- Membership.—Annual Subscription: Ordinary Members, 21s.; Corresponding Members, 10s. 6d.
- Publications during 1901.—Transactions, Part I., Vol. V., 3s.; Part II., Vol. V., 4s.

List of Papers read during Session 1901-1902.

Brownell, C. L.—The Hongwanji in | Japan and Abroad. Apr. 9.

Davidson, J. W. - Formosa under Japanese Rule. Feb. 12.

Holme, C. — Some Aspects of the

Technique of Japanese Drawings. Dec. 11. Tsumura, T.—On Dwarf Trees. Nov.13. Ukita, G.—Sanshu-no-Jinki (the Sacred Heirlooms). Mar. 12.

THE LIBRARY ASSOCIATION,

WHITCOMB HOUSE, WHITCOMB STREET, PALL MALL, EAST, S.W.

- Officers.—President: Rt. Hon. Sir Edward Fry, D.C.L., LL.D., F.R.S., etc. Hon. Secretary: L. Inkster. Assistant-Secretary: Mrs Reilly.
- Meetings.—Third Thursday in each month, from January to June inclusive, at 20 Hanover Square, or as announced in The Library Association Record. The Annual Meeting for 1902 took place September 22-24, at Birmingham.
- Membership.—Entrance Fee: Fellows, £1, 1s. Annual Subscription: Fellows or Members, £1, 1s.; Associates, 10s. 6d.
- Publications during 1901-1902.—The Library Association Record, monthly, 2s.; The Library Association Year Book, 1902 (Horace Marshall & Son, 125 Fleet Street, E.C.), 1s. net.

List of Papers read during Session 1901–1902.

E. A.—Book Reviews: their Help and their Hindrances to Selection. Aug. 27.

Caddie, A. J.-The Co-operation of adjoining Towns for the Establishment of Reference Libraries. Aug.

Cotgreave, A.—Indicators. May 15.
Dent, R. K.—The Librarian as a Help

to the Reader. Aug. 27.

Doubleday, W. E.—The Question of Net Books. Feb. 10.

The Dictionary Catalogue. Aug.

Fortescue, G. K .- The British Museum and the Completion of the General Catalogue of Printed Books. Aug.

Greenwood, T. — Edward Edwards: some Notes on his Life and Work. Aug. 27.

Hulme, E. W.—On the Construction of the Subject Catalogue in

Scientific and Technical Libraries. Aug. 29.

Jast, L. S .- How a Reference Issue was Built up. Aug. 28. Apr. 17.

- Open Access. Minto, J.—The Bibliography of Local Literature. Aug. 27.

Ogle, J. J.—The Mutual Relationship of the Public Library and the

Technical School. Aug. 27.

Pacy, Frank.—The Reference versus the Lending Department. Aug.

Quinn, J. H .- The Classified Catalogue. Aug. 29.
Rowlatt, H.—The Provision of Books

for the Blind. Jan. 13.

Taylor, L. A.—Shelf-Classification: Ways and Means. Aug. 29.

Webb, S .- The Library Service of London: its Co-ordination, Development, and Education. Mar. 10.

ROYAL SOCIETY OF LITERATURE, LONDON,

20 HANOVER SQUARE, W.

Officers. - President: The Rt. Hon. the Earl of Halsbury. Secretary: P. W. Ames, F.S.A.

Meetings. - Fourth Wednesday in each month. The Anniversary Meeting takes place in the Spring.

Membership.—Entrance Fee. 63s.: Annual Subscription, 42s. Publication during 1901-1902.—Transactions, Vol. XXIII.

List of Papers read during Session 1901-1902, and published in the "Transactions."

W. E. A., LL.D., Hon. F.R.S.—The Story of Belfagor in Literature and Folklore, with an Appendix containing the "Belfagore" of Giovanni Brevio, nob first translated into English. Feb.

Baynes, H., M.R.A.S.—The Rise and Growth of Vêdic Literature. Jan.

Bolton, W., F.R.S.L.-The Literary Forgeries of the 18th Century. May 28.

Davey, S., F.R.S.L.—The Letters and

Prose Writings of Robert Burns. Nov. 27.

Davey, S., F.R.S.L. — The Fools, Jesters, and Comic Characters of Shakespeare. Apr. 23.

Defries, Miss V.-Six English Poets:

a Comparative Study. Mar. 26.
Lighthall, W. D., M.A., F.R.S.L.—
Hiawatha the Great. Oct. 23.
Neuman, P. H., R.B.A., F.R.S.L.—
Pageantry and Art. June 18.
Rosedale, Rev. H. G., M.A., D.D.,
F.R.S.L.—The Accession of Sultan

Mahomet, 1590 A.D. July 9.

NAVY RECORDS SOCIETY.

Officers. - President: Earl Spencer, K.G. Secretary: Prof. J. K. Laughton, King's College, London, W.C.

Meeting .- The Anniversary Meeting is held in June.

Membership. —Annual Subscription, One Guinea.

Publications during 1901 (issued to Members only).—Vol. XX., The Naval Miscellany, Vol. L., edited by J. K. Laughton. Vol. XXI., Papers Relating to the Blockade of Brest (1803-5), Vol. II., edited by John Leyland.

PALI TEXT SOCIETY,

22 ALBEMARLE STREET, W. (FOUNDED 1882.)

Officer .- Managing Chairman and Hon. Secretary: Prof. T. W. Rhys Davids, Ph.D., LL.D.

Membership. - Annual Subscription, One Guinea.

Publications. —The Pali Text Society issues every year one or two volumes of the Sacred Books of the primitive Buddhists in the original Pali. A full list of the works can be had from the Secretary.

[No Return.]

PHILOLOGICAL SOCIETY,

UNIVERSITY COLLEGE, GOWER STREET, W.C. (FOUNDED 1842.)

Officers. — President: Henry Bradley, M.A. Hon. Secretary: Dr E. J. Furnivall, M.A., 3 St George's Square, Primrose Hill, N.W.

Meetings.—Usually on the first Friday in each month, from November to June inclusive. The Anniversary Meeting takes place in May.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

Publications. - Members receive copies of the Transactions free of charge. They may moreover obtain, through the Treasurer, at a very reduced price, any of the Society's former publications and the New English Dictionary. These are on sale to the public (non-Members), through the Society's publishers, Kegan Paul, Trench, Trübner & Co., Limited, Charing Cross Road, in the usual way.

List of Papers read during the Fifty-Seventh Session, 1901-1902.

am editing for the Society's Oxford

Dictionary. Apr. 11.
Gollancz, I., M.A.—Recent Work and Theory on Huchown and others.

Heaton, R. Jan. 10. W., M.A.—On Manx.

Batchelor, Rev. J.—Remarks on the Language and Customs of the Ainu. Feb. 7.

Bradley, H., M.A.—On the L words I Language, Religion, and Customs. Rhodes, Rev. J.—On the Dahomian Language, Religion, and Customs.

Dec. 6. Skeat, Rev. Prof., Litt.D.-Notes on

English Etymology. May 2.

Skeat, W. W., M.A.—On the Language and Customs of the Semang, Sakai, and Jakuns (of Malaya). June 6.

SELDEN SOCIETY.

(FOUNDED 1887.)

Officers. - President: The Rt. Hon. Lord Macnaughton. Hon. Secretary: B. F. Lock, 11 New Square, Lincoln's Inn, W.C.

Meetings. - Ordinary are held when required. The Anniversary Meeting takes place in March.

Membership. - No Entrance Fee; Annual Subscription, 21s.

Publications for 1901-1902.—Select Pleas of the Forest Rolls, edited by G. J. Turner, 28s. (1901, Quaritch); Select Pleas, Starrs, and Records of the Jewish Exchequer, edited by J. M. Rigg, 28s. (1902, Quaritch).

THE VIKING CLUB, OR SOCIETY FOR NORTHERN RESEARCH.

(Founded in 1892, as the Orkney, Shetland, and Northern Society), KING'S WEIGH HOUSE ROOMS, THOMAS STREET, W.

Officers. - President: G. M. Atkinson. Hon. Secretary: Albany F. Major Bifrost, 30 The Waldrons, Croydon.

Meetings. - Anniversary, St Magnus' Day, about 16th April. Ordinary Meetings on Fridays, once a month, from November to April, 8.30 P.M.

Membership. - Annual Subscription, 10s.

Publication, 1902.—Saga Book of the Viking Club, containing Reports, Proceedings, and a Selection of Papers.

List of Papers read during Session 1901-1902.

Time. Dec. 13.

B.Sc. - Anthropological Evidence of the Relation between the Races of England and Scandinavia. Mar. 14.

Hull, M. E.—Irish Episodes in Ice-

landic Literature. Jan. 17.

Atkinson, G. M.—Art in the Viking | Johnston, A. W.—The Round Church and Jarl's Bu, Orphir, Orkney. Apr. 18.

Seyler, C. A .- "Beowulf." Dec. 4. Thornton, J. S.—Wanderings in Den-mark. Nov. 15.

Whistler, Rev. C. W., M.A.—Havelok, the Dane. Feb. 14.

WYCLIF SOCIETY.

(FOUNDED 1882.)

Officers.—President: Archbishop of Canterbury. Secretary: John W. Standerwick, General Post Office, E.C.

Membership.—No Entrance Fee; Annual Subscription, 21s.

THE SOCIETY OF ARCHIVISTS AND AUTOGRAPH COLLECTORS,

THORNTON LODGE, THORNTON HEATH, SURREY.

(FOUNDED 1892.)

Officers.—President: (Vacant). Hon. Secretary and Editor: H. Saxe Wyndham,
Thornton Lodge.

Meetings.—None are held, as the Society exists for publishing and corresponding only.

Membership. - Annual Subscription, £1, 1s.; no Entrance Fee.

COUNTRY.

THE BRONTE SOCIETY.

THE BRONTE SOCIETY MUSEUM, HAWORTH, NEAR KEIGHLEY.
(FOUNDED 1893.)

- Officers.—President: Right Hon. the Earl of Crewe. Hon. Corresponding Secretary: W. T. Field, Southgate, Bradford.
- Meetings.—The Anniversary Meeting is held in January, in addition to which the reopening of the Museum each Spring is frequently signalised by a Public Meeting at Haworth. Ordinary Meetings as may be arranged.
- Membership.—The Annual Subscription is 2s. 6d.; Life Membership Fee, Two Guineas.
- Publications during 1901-1902.—Transactions, Part XII., price 1s., and Supplementary Part, 2s. 6d.

CHETHAM SOCIETY,

FREE REFERENCE LIBRARY, KING STREET, MANCHESTER.

(FOUNDED 1843.)

Officers.—President: Dr A. W. Ward. Hon. Secretary: C. W. Sutton, Free Reference Library, Manchester.

Meetings.—The Annual Meeting takes place in March.

Membership.—No Entrance Fee; Annual Subscription, 20s.

Publications during 1901-1902.—Vol. XLIV., New Series, Act Book of the Ecclesiastical Court of Whalley (1510-1538), edited by Alice M. Cooke, M.A. Vol. XLV., History of the Ancient Chapel of Stretford in Manchester Parish,

by H. T. Crofton, Vol. II. Vol. XLVI., The Portmote or Court Leet Records of Salford (1597-1669), edited by J. G. de T. Mandley, Vol. I. Vol. XLVII., Chetham Miscellanies, New Series, Vol. I., containing I.—Inventories of Church Goods, 1552; Awounderness and Lonsdale Hundreds, edited by H. Fishwick; II. An Exhortation to maintain Preachers in Lancashire, circa 1641, by George Walker, B.D., edited by C. W. Sutton; III. The Wonderful Child-Tracts, issued in 1679, relating to Charles Bennett of Manchester, edited by W. E. A. Axon; IV. The Mosley Family, edited by Ernest Axon.

CLIFTON SHAKSPERE SOCIETY.

(FOUNDED 1876.)

- Officers.—President: R. C. Tuckett, LLB. Hon. Sec.: L. M. Griffiths, 11 Pembroke Road. Hon. Assistant-Sec.: Miss Dora Cave, 10 Royal Park.
- Meetings.—Second and fourth Saturdays in each month, from October to May, at 7.30 P.M., at Members' houses. The Anniversary Meeting is held on the first Saturday in October.
- Membership. Entrance Fee, 2s. 6d.; Annual Subscription, 5s.

List of Papers read during Session 1901-1902.

Blake, K. G.—History in Reference to the Play of Richard II. Jan. 25.

— Character of Richard of Gloucester as portrayed in 3 Henry VI. and

as portrayed in 3 Henry VI. and Richard III. May 3.

Cave, D.—Notes on the Rise of English Comedy. Nov. 23.

Skeltonical Verse in Friar Bacon. Feb. 22.

Care, D.—Lady Anne. May 3.

Gillard, J.—Development of the English Drama prior to Roister Doister. Nov. 23.

Hicks, W. E.—Starveling. Mar. 22.

Strachan, W.—The Two Gentlemen of

Strachan, W.—The Two Gentlemen of Verona—a Prototype Play. Oct.26. — Margaret and her Lovers. (Friar Bacon.) Feb. 22.

DORSET RECORDS,

172 EDMUND STREET, BIRMINGHAM.

Officers. — Editor and Socretary: E. A. Fry, 172 Edmund Street, Birmingham.

Membership. — Annual Subscription, 10s, 6d.

Publication, 1901.—Verbatim Copy of the Parish Register of Sturminster Marshall, in Dorset.

HAMPSHIRE RECORD SOCIETY.

23 ST PETER'S STREET, WINCHESTER. (ESTABLISHED 1888.)

Officers.—President: Right Rev. the Lord Bishop of Winchester. Hon. Editorial Secretary: Rev. G. W. Minns, LL.B., F.S.A., The Cliff, Weston, near Southampton. Gen. Secretary: Rev. A. G. Bather, M.A., Winchester College.

Meetings.—Quarterly, or as occasion demands.

Membership.—Annual Subscription, 21s.

HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE,

ROYAL INSTITUTION, COLQUITT STREET, LIVERPOOL (FOUNDED 1848.)

Officers. - President: Right Rev. Lord Bishop of Chester, D.D. Hon. Secretary: R. D. Radcliffe, M.A., F.S.A., Old Swan, Liverpool.

Meetings.—On alternate Thursdays, from Nov. to March, at 7 P.M. The Anniversary Meeting takes place in January.

Membership.—No Entrance Fee; Annual Subscription, 21s. for Resident Members; 10s. 6d. for Non-Resident Members.

Publication. — Transactions, Vol. LI.; only issued to Members.

List of Papers read from June to December 1901.

Ellis, J. W., M.D.—Mediæval Baptismal Fonts in the Hundreds of West Derby and Wirral. Dec. 19.

Fishwick, Lt.-Col., F.S. A.—Lancashire Gregson, W. E.—Notes on Great Crosby Parish. Nov. 21.

Surnames in the 16th and 17th Garstang, J., M.A.-Roman Remains

from Ribchester. Nov. 7.

LANCASHIRE PARISH REGISTER SOCIETY,

MAB'S CROSS, WIGAN.

Officers. — President: Lt.-Col. Fishwick, F.S.A. Hon. Secretary: Henry Brierley, Mab's Cross, Wigan.

Objects. — The printing and publishing of the Lancashire Parish Registers.

Meetings.—The Annual Meeting is held in February. Ordinary Meetings as may be arranged.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publications, 1901-1902 (issued to Subscribers only).—Registers of (1) Bury, Vol. II., 1617-1646; (2) Brindle, 1558-1714; (3) Didsbury, Vol. II., 1654-1757.

MANCHESTER LITERARY CLUB.

GRAND HOTEL, AYTOUN STREET.

Officers. - President: G. Milner. Hon. Secretary: W. R. Credland, 185 Great Cheetham Street, Higher Broughton.

Meetings. - Weekly, from October to April inclusive, on Mondays, at 7 P.M. The Annual Meeting takes place in April.

Membership. —Entrance Fee, 21s.; Annual Subscription, 21s.

List of Papers read during Session 1901–1902.

Bailey, M.—Theodore Hook: Author and Humorist. Dec. 9.

Bailey, Sir W.—An Account of the First Volume Published by the Accademia del Cimento, the Scientific Earliest Society Europe. Feb. 24.

Bellamy, C. H .- The Passion Play of 1900. Oct. 28.

W. V.—Some Cheshire Village Characteristics. Jan. 6.

Butterworth, W.—Maeterlinek's "Life of the Bee." Oct. 21.

Campbell,H. E.—Bachelor Hall. Nov. 18.

Clay, L.—The Harp of Life: a Poeni. Oct. 14.

Clayton, J.—Erasmus in Praise of Folly. Mar. 10. Craven, J. E.—The Hydrington Prose-

cution Society: a Sketch. Feb. 17.

Davies, J.—The Mabinogion. Mar. 17. | Newbigging, T.—A Reminiscence of Dinsmore, W.—Lancashire Novelists Ben Brierley. Feb. 10. Series: James Marshall Mather. Oct. 21

Dumville, N.-Music to Waugh's Lancashire Songs, New and Old. Mar. 10.

Fox, Rev. A. W.—The Old Fortune Teller: a Lancashire Sketch. Oct. 28.

Tuesday: a Lancashire - Lifting Jan. 13. Sketch.

Hall Caine's "Eternal City." Dec. 9.

Hall, Rev. W. C .- The Metrical Imitations of Chatterton. Feb. 24.

Heywood, A.—Scandinavian Stories about Huldre. Nov. 18.

Horsfall, T. C.—A Note on Coleridge's "Dejection": an Ode. Nov.

Jacoby, G .- Immanuel Kant. Jan. 6. Johnson, W. N.-Poetical Aspects of the Saint of Assisi. Mar. 3.

Potentiality in Poetry, 1801 and

1901. Jan. 20.

Kay, T.—The Vengeance of Hannibal.

Nov. 25.

Mercer, E.—Cyrano de Bergerac. 17.

Jane Austen and the Novel. Dec.

J.—Lancashire Novelists Mortimer, Series: Mrs Gaskell. Mar. 17.

Some Literary Club Portraits: a Notable Group. Feb. 10.

The Elements of Farce in the Mystery and Miracle Plays. Jan. 20.

· Love's Cradle: the Age of the Troubadours. Nov. 11.

Oldham, J. B.-Minute Book of the Stockport and Manchester Anti-

quarian Society, 1816–18. Jan. 13. Pratt, T.—Stephen Phillips' "Paolo and Francesca." Nov. 4.

Schofield, S. -Some Stories about Dogs. Mar. 3.

Selbie, R. H.—Contrasts. Feb. 17. Shone, G.—Inc.
Novels. Mar. 17. G.—The Women of Scott's

Smith, F .- The Evolution of the Cremona Violin. Jan. 31.

Swann, J. H .- Notes on the History of the Manchester Literary Club, 1862-1902. Jan. 27.

- Christopher Smart, 1722-71. Dec. 2.

Tallent-Bateman, C. T.—Embossed Decoration in England. Book Jan. 27.

The "Forget Me Not," 1823-48. Dec. 2.

Taylor, S.—Charles Swain. Mar. 10. Tyrer, C. E.—In the Footsteps of Dante. Dec. 16.

Walker, J.-Concerning a Dedication. Oct. 14.

Watson, H.—Some Musical Impressions of a Visit to Sicily. Feb. 10.

MIDLAND RECORD SOCIETY.

85 CORNWALL STREET, BIRMINGHAM. (Founded 1894.)

Officers. - President: John Amphlett, M.A. Hon. Secretary: Wright Wilson, F.R.C.S.Edin., 85 Cornwall Street, Birmingham.

Meetings.—The Annual Meeting is held in February.

Membership.—Annual Subscription, 10s. 6d.

Publication, yearly.—Transactions.

EX LIBRIS SOCIETY.

Officers. - President: Sir Arthur Vicars, F.S.A. Hon. Secretary: W. H. K. Wright, Public Library, Plymouth. Hon. Treasurer: James T. Armstrong. 108 North Side, Clapham Common, Surrey.

Meetings.—The Anniversary Meeting is in May or June. Ordinary Meetings are held at irregular intervals in London. A Monthly Journal is published for the Society by Mesars A. & C. Black, Soho Square, London.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 21s.

[No Return.*]

PARISH REGISTER SOCIETY,

172 EDMUND STREET, BIRMINGHAM. (FOUNDED 1896.)

Officers.—President: Lord Hawkesbury. Hon. Secretary: E. A. Fry, 172 Edmund Street, Birmingham.

Membership.—No Entrance Fee; Annual Subscription, 21s.

Meetings.—The Annual Meeting is held early in May.

Publications during 1901-1902.—Verbatim Copy of Parish Register of (35) Stapleton, Shropshire; (36) Huggate, Yorks; (37) Morden, Surrey; (38) Clunbury, Shropshire; (39) Moreton Corbet, Shropshire; (40) Hopton Castle, Shropshire; (41) Hughley, Shropshire.

SHROPSHIRE PARISH REGISTER SOCIETY,

124 CHANCERY LANE, W.C.

- Officers. President: Sir Offley Wakeman, Bart. Editor: W. P. W. Phillimore. Hon. Secretary: Rev. W. G. D. Fletcher, M.A., F.S.A., St Michael's Vicarage, Shrewsbury.
- Meetings.—The Annual Meeting is held in January. Ordinary Meetings are arranged at intervals.
- Membership.—No Entrance Fee; Annual Subscription, £1, 1s.
- Publications.—The Register of Sclattyn (St Asaph Diocese), also nine Indexes, viz.:—Clunbury, Cound, Donington, Edgton, Grinshill, Hopton Castle, Kenley, Lydham, Longdon-on-Tern, Monk Hopton, Tong, and White Ladies.

SOMERSET RECORD SOCIETY,

PUCKINGTON RECTORY, ILMINSTER.

Officer .- Hon. Secretary: Rev. E. H. Bates, M.A.

Membership.—Annual Subscription, One Guinea. 135 Members.

Publications, 1900-1901. — Cartulary of Muchelney and Athelney Abbeys, edited by Rev. E. H. Bates, M.A.; Registers of Bishops Giffard and Bowet, 1265-6 (fragment), of Bishop Bowet, 1401-8, edited by Canon T. S. Holmes, and Gerard's Survey of Somerset, 1633, edited by Rev. E. H. Bates.

THE WILTS RECORD SOCIETY.

WEST LODGE, WILTON, SALISBURY.

Officers.—President: Rt. Rev. the Bishop of Salisbury. Secretary: C. R. Straton, F.R.C.S., West Lodge, Wilton, Salisbury.

Membership.—Annual Subscription, 10s. 6d.

Publication, 1901.—The Canonization of St Osmund, Bishop of Sarum, from Original Documents in the Muniment Room of Salisbury Cathedral, by A. R. Malden, 10s. 6d.

WORCESTERSHIRE HISTORICAL SOCIETY,

SHIREHALL, WORCESTER. (FOUNDED 1893.)

- Officers.—President: Rt. Hon. the Earl of Coventry. Hon. Secretaries: Rev. J. B. Wilson, M.A., F.S.A., Knightwick Rectory, Worcester; A. Harrison, Guildhall, Worcester.
- Meetings.—On Saturdays, as required. The Anniversary Meeting is held in February.
- Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 21s.; Life Subscription, £10, 10s.

YORKSHIRE DIALECT SOCIETY.

THE FREE LIBRARY, BRADFORD. (FOUNDED 1897.)

- Officers. —President: Marquis of Ripon, K.G. Corresponding Secretary: Rev. Thomas Clarke, 71 New Cross Street, Bradford.
- Meetings.—The Annual Meeting is held in October. Ordinary Meetings four times in the year.

Membership.—No Entrance Fee; Annual Subscription, 2s. 6d.

- List of Communications during Session 1901-1902. Those marked * were published in the "Transactions," Part IV., 1s.
- Clarke, Rev. T.—The Importance of Phonology in the Study of the Popular Speech. July 19. (Barnsley Meeting.)
- ley Meeting.)
 Crossland, C., F.L.S.—Place-names in
 the Parish of Halifax, considered
 in Relation to surrounding Natural

Features.* Mar. 15. (Halifax Meet ing.)

Green, Rev. J. H., B.A.—The Yorkshire
Dialect and its place in English
Literature.* Nov. 2. (Dewsbury
Meeting.)

YORKSHIRE PARISH REGISTER SOCIETY.

- Officers.—President: Sir G. J. Armytage, Bart., F.S.A. Hon. Secretaries: Francis Collins, M.D., Pateley Bridge, N. Leeds; G. D. Lumb, 65 Albion Street, Leeds.
- Objects.—The Society was formed in 1899 to print the older Registers of Parishes in the County of York. The Transcripts are, as far as practicable, verbatim, and the volumes contain Indexes both of names and places. In choosing Registers for publication, care is taken not to confine the issues to one district, but to select Registers from different parts of the county, so as to interest Yorkshiremen generally.
- Membership.—Annual Subscription, 21s.
- Publications.—The following Registers have been either printed or are in the press:—1899: 1. York (St Michael-le-Belfrey), Part I.; 2. Burton Fleming;
 3. Horbury; 4. Winestead. 1900: 5. Linton-in-Craven, Part I.; 6. Patrington;
 7. Stokesley;
 8. Blacktoft and Scorborough. 1901: 9. Bingley, Part I.;
 10. Kippax;
 11. St Michael-le-Belfrey, Part II. 1902: Wath-on-Dearne, Hampsthwaite, Brantingham.

SCOTLAND.

NEW SPALDING CLUB,

UNIVERSITY LIBRARY, ABERDEEN.

- Officers.—President: Earl of Aberdeen, G.C.M.G., LL.D. Chairman of Business Committee: William Ferguson, LL.D. Secretary: P. J. Anderson, LL.B., University Library, Aberdeen.
- Meetings.—At irregular intervals. The Anniversary Meeting takes place in December.
- Membership.—Number limited to 500. No Entrance Fee; Annual Subscription, 21s.
- Publication during 1901.—Records of Invercauld, by the Rev. J. G. Michie.

THE EDINBURGH BIBLIOGRAPHICAL SOCIETY,

THE PHILOSOPHICAL INSTITUTION. (INSTITUTED 1890.)

Officers.—President: William Brown. Secretary: G. P. Johnston, 33 George Street.

Meetings.—Second Thursday in the month, from November till March inclusive.

The Anniversary Meeting is held on the first Thursday in November.

Membership (limited to 70).—Annual Subscription, 10s. 6d.

List of Papers read during Session 1901-1902.

- Cowan, W.—Notes on the Holyrood Press: 1686-88. Jan. 9.
- Duff, E. G.—Notes on some Bookbindings, chiefly Armorial, in the University Library of St Andrews. Nov. 9.
- Fairley, J. A.—Notes on the Tolbooth and Bridewell Prisons of Edinburgh, and their Bibliography. Feb. 8.
- Jenkinson, F. J. H.—Notes on a volume (Liber Alexandri Magni, Gesta Romanorum and Consolatio Peccatorum [c. 1474]) from the

- Library of the Dominicans at Dundee. Nov. 9.
- Scott, J., C.B.—Account of the Earliest known Map of Britain (not Ptolemaic), with Special Reference to the Scottish part. Dec. 12.
- the Scottish part. Dec. 12.

 Stevenson, J. H.—Description of the
 Binding of the "Buke of Batailles"
 (dated c. 1457), by Patricius Lowes.
 Nov. 9.
- Stewart, Wm. Contribution to the Biography of James Watson, Edinburgh Printer, 16-17. Mar. 13.

THE EDINBURGH GERMAN SOCIETY.

(FOUNDED 1900.)

- Officers.—President: Prof. John Kilpatrick, LL.B., LL.D. Secretary: John Hamilton, C.A., 56 George Street, Edinburgh.
- Objects.—To promote the study of the German Language and Literature, to afford the Members opportunities for social intercourse and exchange of ideas, etc., and to financially assist deserving Students of German.
- Membership. —Annual Subscription, 10s.
- Meetings.—As may be arranged by the Committee. The Annual Meeting to be held in March.

List of Papers read during Session 1901-1902.

Prof. - Die Eggeling,

Stämme. Jan. 16. eines Sternes. Feb. 14.

Deutschen | Ringshausen, Pastor K .- Die Anstalt Bethel bei Bielefeld. Dec. 13. Halm, Dr J.—Die Lebens-geschichte Robson, Miss, M.A.—Gerhardt Hauptmann. Mar. 7.

Schlapp, Dr. - Fundamente des "Faust." Nov. 25.

GLASGOW BALLAD CLUB.

NORTH BRITISH STATION HOTEL. (FOUNDED 1876.)

Officers. —President: W. Freeland. Secretary: W. Buchanan, Dunclutha, Tollcross, Glasgow,

Meetings. - Second Saturday in each month, during Winter, at 8 P.M. Anniversary Meeting takes place in May.

Membership. —Annual Subscription, 5s.

NORTH BUTE LITERARY SOCIETY.

Officers. — President: D. F. Dalziel. Secretary: Edwin R. Finlayson. Kyles View, Rothesay.

Membership. - Annual Subscription, 1s.

Meetings.—On Thursdays, at 8 P.M., from November to March inclusive.

List of Papers read during Session 1901–1902.

Berwick, Dr - The Violin and its

History. Jan. 23. Black, J. M., M. A.—Edgar Allan Poe. Dec. 12.

Bowie, J .- The Clyde from its Source to the Sea. Feb. 20.

Coutts, C. N., M.A.—Robert Louis Stevenson. Nov. 21. Dickie, Rev. J. H., M.A.—The King-dom of Fife. Dec. 5. Hewison, Rev. J. K., M.A., D.D.—The

Indebtedness of Shakespeare to the Bible. Jan. 30.

Murray, Miss M. C. G .- Scotland Two Hundred Years Ago. Feb. 6.

Myles, A .- A Trip to Germany. Dec. 19.

Stewart, D.—Charles Kingsley. Feb. 27. Sutherland, Rev. A. N.—Longfellow. Nov. 28.

Walker, J. A.-Ceylon and the Commonwealth of Australia. Feb. 13.

SCOTTISH HISTORY SOCIETY,

SIGNET LIBRARY, EDINBURGH. (FOUNDED 1886.)

Officers. - President: The Earl of Rosebery, K.G., K.T. Chairman of Council: David Masson, LL.D. Hon. Secretary: T. G. Law, Signet Library, Edinburgh.

Meetings.—The Anniversary Meeting takes place in November. Meetings occur on the last Tuesday in May, and the Tuesday preceding the Annual Meeting.

Membership.—Annual Subscription, 21s. Number of Members (exclusive of Libraries), limited to 400.

Publications, 1901-1902 (issued to Members only).—Negotiations for the Union of England and Scotland in 1651-53, edited by C. Sanford Terry; The Loyall Dissuasive: Memorial to the Laird of Cluny, written in 1703, by Sir Æneas Macpherson, edited by the Rev. A. D. Murdoch.

SCOTTISH TEXT SOCIETY,

45 GEORGE STREET, EDINBURGH.

Officers. - President: (Vacant). Hon. Secretary: W. T. Dickson, 11 Hill Street,

Meetings. - The Anniversary Meeting takes place in November.

Membership. - No Entrance Fee; Annual Subscription, 21s.

[No Return.*]

IRELAND.

NATIONAL LITERARY SOCIETY,

6 STEPHEN'S GREEN, DUBLIN.

Officers.—President: G. Sigerson, M.D., F.R.U.I. Hon. Secretary: W. A. Henderson, "Belclare," Leinster Road West, Rathmines, County Dublin.

Objects. - To promote the study of Irish Literature, Music, and Art.

Meetings. - Every Monday at 8.30 P.M., from November to June. The Annual Meeting is held in June.

Membership.—Annual Subscription, 10s.; Associate Members (living 20 miles from Dublin), 5s.

Publication, 1902.—The Journal of the Proceedings of the National Literary Society, Vol. I., Part III., 1s.

List of Papers read during Session 1901–1902.

Barry, Rev. W., D.D.—The Gael and the Greek-the Gaelic Revival and the Study of the Classics. Apr. 23.

cant, Mrs S., D.S.C. Characteristics. Apr. 14. D.S.C.—Gaelic Bryant, Mrs

Bugge, Dr A.—The Norsemen in Ireland, Dec. 9.

Carmichael, A.—Cuchullin. May 12. Coffey, Mrs G.—The Root Need for the Revival of the Irish Language. Mar. 3.

Fournier, E. E.—Irish Mythology. Dec. 16.

W. H.—Shakespeare Grattan-Flood, and Irish Music. Mar. 10.

Guiney, Miss L.—Raleigh and Spenser in Munster. May 26.

Law, H. A., M.P.—A Historical Survey of Irish University Education. Jan. 27.

O'Neill, Rev. G., S.J., M.A.-Abbe

M'Carthy and some of his Contemporaries. Feb. 24.

O'Reilly, P. J., F.R.S.A.—Arraumore and Skellegmichael. Feb. 3.

Powell, Prof. Y., M.A.—A Fragment of Irish Literary History. Apr. 7.

Rolleston, T. W., B.A.—National Ideals in Education. Nov. 11.

- Irish Industrial Art. Jan. 13. Ryan, Very Rev. Canon A.—Irish Music, Thoughts, and Illustrations.

Savage-Armstrong, Prof. G. F., M.A.—

Jan. 20.

Thomas Moore. May 28. Sigerson, Dr G., F.R. U.I. - Tristau and Isolde. Feb. 17.

Stewart, the late Sir R. Murdoe.—An Unpublished Lecture on Itish Music. Nov. 18.

Young, Miss E. - Celtic Wonder Stories. Nov. 25.

SOCIETY FOR THE PRESERVATION OF THE IRISH LANGUAGE.

6 MOLESWORTH STREET, DUBLIN.

Officers.—President: Right Hon. O'Conor Don, M.R.I.A. Hon. Secretaries:

James Halligan; Brian O'Looney, M.R.I.A. Secretary of Council: J. J.

MacSweeney, R.I.A.

Meetings. -On Tuesdays, at 5.30 P.M.

Membership.—Annual Subscription: Members, 10s.; Associates, 1s.

Publication during 1901.—Report for 1901.

THE GAELIC LEAGUE, DUBLIN,

24 UPPER O'CONNELL STREET. (Founded 1893.)

Officers.—President: D. Hyde, LL.D., M.R.I.A. Secretary: Charles M'Neill, 24 Upper O'Connell Street.

Membership.—5s. per annum. Annual Affiliation Fee of Branches, 10s. Each Branch fixes its Membership Fee. There are over 120 Branches,

[No Return.*]

SECTION XII.

PSYCHOLOGY.

LONDON.

ARISTOTELIAN SOCIETY FOR THE SYSTEMATIC STUDY OF PHILOSOPHY.

22 ALBEMARLE STREET, W. (Founded 1879.)

Officers. - President: G. F. Stout, M.A., LL.D. Hon. Secretary: H. W. Carr. Meetings. —First Monday in the Month, from November to June, at 8 P.M. Membership. - Annual Subscription, 21s.

Publication.—Proceedings, New Series, Vol. I., 10s. 6d. net (Williams and Norgate).

List of Papers read during Session 1901.

Bosanquet, Dr B.—Recent Criticism of Green's Conception of Ethics. Dec. 2.

Boutwood, A.—The Philosophy of Probability. Jan. 6. Bryant, Mrs S., D.Sc.—The Relation

of Mathematics to General Logic. Feb. 3.

Carr, H. W .- Mr Bradley's Theory of Appearance. June 2. Goldsbrough, Dr G. F.-The Ethical Limit of Method in Philosophy. Mar. 3.

M'Taggart, J. E.—Hegel's Treatment of the Categories of Quality. Apr. 7.

Moore, G. E — Mr M'Taggart's Studies in

Hegelian Cosmology. May 5.

Stout, Dr G. F.—Alleged Seli-Contradictions in the Concept of Relation: a Criticism of Mr Bradley's "Appearance and Reality," Pt. I. Chap. 2. Nov. 4.

THE INCORPORATED SOCIETY FOR PSYCHICAL RESEARCH.

20 HANOVER SQUARE.

Officers,-President: Sir O. J. Lodge, D.Sc., F.R.S. Hon. Secretary: T. G. Piddington, B.A., 87 Sloane Street, London, S.W. Assistant-Secretary: Edward T. Bennett, 19 Buckingham Street, W.C.

Meetings. -At intervals of a few weeks, October to June. The Annual General Meeting takes place in January.

Membership -No Entrance Fee; Annual Subscription: for Members, 42s.; for Associates, 21s.

Publications.—Proceedings, Part XLVII., 10s.; XLIII., 9d.; XLIV., 4s. 6d.; and Journal.

Papers communicated during Session 1901–1902, and published in the "Proceedings" for the Month indicated.

Lodge, O. J.—Presidential Address. Jan. 31.

Bramston, Miss, -Automatic Romance. | Piddington, J. G.-A Record of Sittings with Mrs Thompson. Nov. 29. Skeat, N. W .- Malay Spiritualism. May 30.

CHILDHOOD SOCIETY,

FOR THE SCIENTIFIC STUDY OF THE MENTAL AND PHYSICAL CONDITION OF CHILDREN,

PARKES MUSEUM, MARGARET STREET, W.

Officers.—President: Rt. Hou. Earl Egerton of Tatton. Chairman: Rev. T. W. Sharpe, C.B. Hon. Secretary: W. J. Durrie Mulford.

Membership.—Annual Subscription, 10s. 6d.

Meetings.—On Thursday evenings, at 8 P.M. The Anniversary Meeting is held in March.

Publication.—Transactions. Vol. I. being the Proceedings of the Society during 1901, 2s. 6d.

List of Papers read during Session 1901-1902.

Brabrooke, E. W., C.B.—Discussion on the Practical Bearings of the Investigations of the Childhood Society on Social Questions.

Friedeberger, M., Ph.D.—A Method of Teaching Children to Read (with Demonstration).

Demonstration).

Gladstone, J. H., F.R.S.—On Practical
Teaching of Science to Young
Children.

Green, F. W. Edridge, M.D.—Colour Sense and Colour Blindness.

James, Miss F. M.—On Study of the Mentally Defective Child.

Jones, Miss E. E. C.—On Inarticulateness of Children.

Mizen, Miss A. M.—On Teaching Reading to Individual Children.

Newsholme, A., M.D.—The Lower Limit of Age for School Attendance. Sharpe, Rev. T. W., C.B.—The Influence of the Society in the Removal of the Prevaling Ignorance in Regard to the True Principles of

Education.

Warner, F., M.D.—School Discipline,
from the Scientific, Inspector's,
Teacher's and Hygienic Points of

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SECTION XIII.

ARCHÆOLOGY.

LONDON.

SOCIETY OF ANTIQUARIES OF LONDON,

BURLINGTON HOUSE, PICCADILLY.

(Founded about 1572; Incorporated by Royal Charter, 1751.)

- Officers. President: Viscount Dillon. Treasurer: P. Norman. Director: F. G. Hilton Price. Secretary: C. H. Read. Assistant-Secretary: W. H. St John Hope, M.A. Clerk: G. Clinch.
- Meetings.—On Thursdays, from November to June inclusive, at 8.30 P.M. The Anniversary Meeting takes place on St George's Day (April 23).
- Membership.—Entrance, 8 Guineas; Annual Subscription, 3 Guineas; Life Composition, £55.
- Publications.—Archæologia, Vol. I.VII., Part 2; Proceedings (New Series), Vol. XVIII., Part 2.
- Papers read during Session 1901-1902, and published in the "Proceedings," 2nd Series, Vol. XVIII., Part 2, and in "Archæologia," Vol. LVII, Part 2. Those marked * are in "Proceedings," those marked † are in "Archæologia."
- Allen, J. R., F.S.A. On an Inscribed | and Sculptured Norman Tympanum in Hawksworth Church, Notts.* Apr. 17.
- Ashby, T.. jun., F.S.A., and A. T. Martin, M.A., F.S.A.—Excavations on the Site of the Roman Tower at Caer-
- went in 1901.† Jan. 16.

 Balcarres, Lord, M.P., F.S.A.—On a
 Double Painted Triptych of the
 16th Century.* June 12.

 Dale, W., F.S.A.—On an Anglo-Saxon
 Cemetery at Droxford, Hants.*
- May 15.
- Dalton, O. M., M.A., F.S.A.—The Origin of Encrusted Jewellery.† Mar. 20.
- Dillon, Viscount. —Some Familiar Letters of Charles II. and James, Duke of York, addressed to their Daughter and Niece, the Countess of Litch-
- field.† Feb. 6.

 Evans, Sir J., K.C.B., V.P.—On a

 Mould for Samian Bowls found at Lezoux, Puy-de-Dôme.* Nov.

- Evans, Sir J., K.C.B., V.P.—On the Opening of a Barrow near Hoddesdon, Herts.* Nov. 28.
- Gowland, W., F.S.A.-Excavations at Stonehenge in Sept. 1901. † Dec.
- Greenwell, Rev. W., D.C.L., F.R.S., F.S.A.—On some Rare Forms of Bronze-Weapons and Implements. †
- Dec. 5.

 Hope, W. H. St J., M.A.—On a Third Great Scal of King Stephen.* Feb.
- The London Charterhouse : its Ancient Water-supply and Arrangements. † May 1.
- Excavations on the Site of the Romano British City at Silchester, Hants, in 1901. † May 29.
- Keyser, C. E., M.A., F.S.A.—Wall-paintings lately Discovered at Rothamstead Manor, Herts. * Feb.
- y, T. F., M.A., F.S.A.—The Charters of the Manor of Ropley. Mar. 13.

. Niven, W., F.S.A.—On the Garden House at Beckett, Shrivenham. † Dec. 12.

Norman, P .- The Destroyed Church of St Michael, Wood St., London. † Feb. 13.

Page, W., F.S.A.—On the St Albans School of Painting. + Apr. 10. Paul, R. W., F.S. A. - Further Dis-

coveries at Abbey Dore, Herefordshire. June 19.

Read, C. H.—On a Saracenic Glass Vessel

of the 14th Century. † Feb. 27. Round, J. H., M.A.—The Castles of

the Conquest + Jan. 23.

Williams, Col. J. G.—On the State Swords of the City of Lincoln.* Dec. 12.

ROYAL ARCHÆOLOGICAL INSTITUTE OF GREAT BRITAIN AND IRELAND,

20 HANOVER SQUARE, W.

- Officers. President: Sir Henry H. Howorth, K.C.I.E., M.P., F.R.S. Hon. Secretary: A. H. Lyell, M.A., F.S.A.
- Meetings .- First Wednesday in the Month, from November to July (January excepted). The Annual Meeting for 1902 was held at Southampton July 22nd to 29th.
- Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.; Life Composition, 15 Guineas.
- List of Papers read during Session 1901-1902, and published in the "Archæological Journal," price 7s. 6d. each Quarterly Part.

Bradford, C. A., F.S.A.—On a Vesica Piscis Window of unusual Character at Millom Church. Nov. 6.

Dawkins, Prof. B., D.Sc., F.R.S., F.S.A.—Bigbury Camp and the Pilgrims Way. May 7.

Dillon, Viscount P. S. A.-Horse

Armour. Feb. 5. Fryer, A. C., Ph.D., F.S.A.—Fonts with Representations of the Seven Sacraments. Dec. 4.

Hall, J.—A 16th Century Clock of Bartholomew Newsam. May 7. Hobson, R. L.—Mediæval Pottery found

in England. Nov. 6.

Hughes, Prof. T. M'K., M.A., F.R.S.,
F.S.A.—Early Potters' Art in
Britain. Mar. 5.

Jones, H., F.S.A.-Roman Remains

lately found in Greenwich Park. June 4.

Lewis, Prof. B., F.S.A.—The Roman Arches at Susa and Aosta. July 2. Munro, R., M.D., LL.D.-Notes on the Domestication of the Horse in

Prehistoric Times. June 4.

Norman, P., F.S.A.—Exchequer Annuity Tallies. July 2.

Price, F. G. H., Dir. S.A.—Pawnbrokers' Signs in London in the 17th and 18th Centuries. Mar. 5. Round, J. H., M.A.—Castle Guard.

Feb. 5. Shepherd, E. B. S., M.A.—The Grey-

friars at Newgate. Apr. 2.

Webster, P.—Clocks of the 16th and
17th Centuries. Exhibited by Edmund James. May 7.

BRITISH ARCHÆOLOGICAL ASSOCIATION,

32 SACKVILLE STREET, PICCADILLY, W. (Founded 1843.)

- Hon. Secretaries: O.licers.—President: Thomas Hodgkin, M.A., D.C.L. George Patrick, A.R.I.B.A., 1 Gresham Buildings, Basinghall Street, E.C.; Rev. H. J. D. Astley, M.A., East Rudham, King's Lynn, Norfolk.
- Meetings.—On Wednesdays, from November to June, at 8 P.M. The Annual Meeting is held in May.
- Membership. Entrance Fee, 21s.; Annual Subscription, 21s.

- List of Principal Papers read during Session 1901-1902, and published in the "Quarterly Journal" of the Society, price (to Non-Members) 31s. 6d. per volume.
- F.S.A.—Buried Andrew. W. J., Treasure—some Traditions, Re-
- cords, and Facts. May 21.

 Astley, Rev. H. J. D., M.A.—Tree
 Worship, Ancient Rites and Modern Survivals, particularly in the British
- Isles. June 4.

 Birch, W. de G., LL.D., F.S.A.—On a
 Relic of Admiral Rodney. Mar. 19.
- Collier, Mrs. St Christopher and some Representations of him in English Churches. Feb. 19.
- Compton, C. H.—Notes on the Sites of St Margaret's and All Saint's Churches, Leicester. Nov. 6.
- · The President and Council of the North. Nov. 6.

- Davis, C. T .- A Chapter in Local History, Wandworth, 1545-1558. Mar. 5.
- Evelyn-White, Rev. C. H., F.S.A. -The Boy Bishop. Jan. 15.
- Forbes, Dr R.-Discoveries in the
- Forum at Rome. Jan. 29.

 Goddard, A. R.—The Underground Strong-room at Richborough, Kent. D. c. 4.
- Maiden Castles. Apr. 2. Penny, Rev. J. A., M.A.—Curiosities I have seen in and about Churches. Apr. 16.
- Plowright, Dr-The Archæology of Woad. Nov. 20.

SOCIETY OF BIBLICAL ARCHÆOLOGY,

37 GREAT RUSSELL STREET, BLOOMSBURY, W.C. (Founded 1870.)

Officers. - President: Prof. A. H. Sayce, LL.D. Secretary: W. H. Rylands, Hon. Foreign Secretary: Rev. R. Gwynne, B.A.

Meetings.—Second Wednesday in each month at 4.30 P.M., from November to June inclusive. The Anniversary Meeting takes place in January.

Membership.-No Entrance Fee; Annual Subscription, One Guinea.

List of Papers read during Session 1901-1902. The dates are those of publication.

- on the Comparative Value of the
- Two Recensions of Ezra. Jan. 1902. Howorth, Sir H. H., K.C.I.E., etc.-Some Unconventional Views on the Text of the Bible. Part II. Nov. 1901.
- Legge, F .- The History of the Transliteration of Egyptian.
- Löwy, Rev. Dr A.- A Study of Pre-Massoretic Bible Texts.
- Girdlestone, Rev. Canon B. R.—Notes | Plunket, The Hon. Miss.—The Chinese Calendar, with some Remarks with reference to that of the Chaldeans. Dec. 1901.
 - e, Prof. A. H., LL.D.—The Ionians and the Tel-el-Amarna Sayce, Tablets. Jan. 1902.
 - Shaw-Caldecott, Rev. W.—The Senkereh Tablet: The Soss, the Ell, and the Reed of Babylonia. (Printed.)

EGYPT EXPLORATION FUND AND ARCHÆO-LOGICAL SURVEY FUND,

37 GREAT RUSSELL STREET, W.C. (FOUNDED 1883.)

Officers. - President: Sir John Evans, K.C.B. Secretary: Miss Emily Paterson. Meetings. —The Anniversary Meeting is held in November.

Membership.—Annual Subscription, 21s. to each Branch. The Branches are (1) the Exploration Fund; (2) the Archæological Survey Fund; and (3) the Græco-Roman Branch.

Publications during 1901-1902. - Diospolis Parva, by W. M. Flinders Petrie, F.R.S., 25s. (July 1901); Royal Tombs, II., by W. M. F. Petrie, 25s. (July 1901); Deir el Bahare, IV., by M. Edouard Naville, 30s. (Jan. 1902); The Rock Tombs of Sheikh Said, by N. de G. Davies, 25s. (Nov. 1901); Archaeological Report for 1900-1, edited by F. Ll. Griffith, 2s. 6d. (Nov. 1901); Annual Report of General Meeting, 1s. (Jan. 1902).

SOCIETY FOR THE PROMOTION OF HELLENIC STUDIES.

22 ALBEMARLE STREET. W.

Officers. - President : Sir Richard Jebb, Litt.D., LL.D., M.P. Hon. Secretary : Geo. A. Macmillan, St Martin's Street, W.C.

Meetings.—On Tuesdays, at 5 P.M., at the rooms of the Society of Antiquaries, Burlington House. The Annual Meeting is held in June.

Membership. —Entrance Fee, 21s.; Annual Subscription, 21s.

Publication. — The Journal of Hellenic Studies, Vol. XXI. Session 1901-1902. Contents of the Journal for the past Session.

Anderson, J. G. C .- A New Hittite | Kabbadias, P .- The Recent Finds off Inscription.

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Bosanquet, R. C.—Archæology in Greece, 1900-1901. Brooks, E. W.—Arabic Lists of the

Byzantine Themes.

Evans, A. J.—Mycenæan Tree and Pillar Cult and its Mediterranean

Relations (Plate V.).
Foat, F. W. G.—On Old Greek Tachygraphy (Plate XVIII.).

Furtwängler, A .- Ancient Sculptures at Chatsworth House (Plates VIII. -XVII.).

Gardner, E. A .- The Greek House. Gardner, P .- A New Pandora Vase (Plate I.).

Hogarth, D. G., and F. B. Welch .-Primitive Painted Pottery in Crete (Plates VI., VII.).

Cythera.

Milne, J. G .- Greek Inscriptions from Egypt.

Munro, J. A. R.-Roads in Pontus, Royal and Roman (Plate IV.).

— Gleanings from Mysia.
Nilsson, M. P.—The Σχημα Τριαίνης in the Erechtheion.

Rouse, W. H. D.-The Double Axe and the Labyrinth.

Smith, A. H.—Gavin Hamilton's Letters to Townley.

W. W.-Patrocles and the Óxo-Caspian Trade Route.

Waldstein, C .- The Argive Hera of Polycleitus (Plates II., III.).

Young, Sir G.—Two Notes on Sophocles.

LONDON AND MIDDLESEX ARCHÆOLOGICAL SOCIETY,

LONDON INSTITUTION, FINSBURY CIRCUS, E.C. (FOUNDED 1855.)

Officers.—President: Edwin Freshfield, LL.D., V.P.S.A. Hon. Secretaries: C. Welch, F.S.A., Guildhall Library, E.C.; E. H. Freshfield, M.A., F.S.A., 31 Old Jewry, E.C.; T. W. Shore, F.G.S., 105 Ritherdon Road, Upper Tooting.

Meetings, -- Monthly in Winter; with Summer Excursions, The Anniversary Meeting is held in July.

Membership.—Entrance Fee, 10s.; Annual Subscription, 21s.; Life Membership, Ten Guineas.

Publication, - Transactions.

List of Papers read during Session 1901-1902.

Cross, Rev. A. J. W .- Short Account of Rye Church. June 9.

Dalton, Rev. A. E.—Short Account of

Stepney Church. Apr.
Godwin, Rev. G. N.—Short Account
of Winchelsea. June.
Gover, Rev. M.—Short Account of

Bow Church. Apr.

Quinn, T.—Descriptive Account of Old

Chelsea. May.

Welch, C., F.S.A.—A Glance at the
City Companies, their Halls and
Archæological Treasures (Lantern
Illustrations). Feb.

MONUMENTAL BRASS SOCIETY.

- Officers. President: Rev. C. G. R. Birch, LL.M. Hon. Secretary: F. W. Short, 51 Mornington Road, Leytonstone. Hon. Treasurer: C. T. Davis, Public Library, Wandsworth, S.W.
- Meetings. —The Anniversary Meeting is held (usually in April) at 32 Sackville Street. W.
- Membership. -Entrance Fee, 2s. 6d.; Annual Subscription, 10s. (with Portfolio); 5s. (without Portfolio).
- Publications, 1901-1902.—Transactions, XXVII., XXVIII., and XXIX., price 3s. each to Non-members; Portfolio, Vol. II., Parts 3, 4, and 5, 2s. 6d. each.

List of Papers published during Session 1901-1902.

Anon. - Buckinghamshire Brasses. Oct. | Charlton, O. J., and C. J. P. Cave. Cambridgeshire Brasses. Oct.

Stephenson, Mill-Palimpsest Brasses, Essex, Gloucesters! Herts, Hunts. Apr. Gloucestershire, Hants, Stephenson, Mill-Palimpsest Brasses, Kent, Lancashire, Leicestershire. Oct.

London. - Palimpsest Brasses, Middlesex, Norfolk. June.

THE NATIONAL TRUST

FOR PLACES OF HISTORIC INTEREST OR NATURAL BEAUTY, 1 GREAT COLLEGE STREET, WESTMINSTER, S.W.

Officers. - Vice-President: H.R.H. Princess Louise, Duchess of Argyll. Secretary: Nigel Bond, B.A.

Objects. - To acquire, by gift or purchase, places of Historic Interest or Natural Beauty, and to hold them in trust for the Nation.

Meeting. - The Annual Meeting is usually in June.

Membership. -Annual Subscription, 10s. and upwards.

The properties possessed by the Trust are the Cliff at Barmouth, the Headland at Barras, the Old Clergy House at Alfriston, Joiners' Hall in Salisbury, the Falkland Memorial in Newbury, land at Toy's Hill and Ide Hill, Kent, land on Wicken Fen, and Duffield Castle.

NUMISMATIC SOCIETY OF LONDON,

22 ALBEMARLE STREET.

Officers. — President: Sir John Evans, K.C.B., D.C.L., F.R.S. Hon. Secretaries: H. A. Grueber, F.S.A.; E. J. Rapson, M.A.

Meetings.—Third Thursday in each month at 7 P.M., from October to June. The Anniversary Meeting takes place in June.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

List of Papers published in the "Numismatic Chronicle" quarterly, 5s., for periods indicated.

Andrew, W. J.—Numismatic History | Lawrence, L. A.—A Find of Silver Coins of the Reign of Henry I. (Parts I.-IV., 1901.)

Evans, Sir J.—A Gold Coin of Addedomaron. (Part I., 1902.)

Grueber, H. A.—Treasure Trove: its

Ancient and Modern Laws. (Part

II., 1902.) Walters, F. A.—The Silver Coinage of Henry VI. (Not yet published.)

of Edward IV. (Part I., 1902.)

Maurice, J.—Classification Chronologique de l'Atelier d' Alexandrie pendant la periode Constantinienne.

(Part II., 1902.)
Reinach, T.—Some Pontic Eras. (Part

I., 1902.)

PALESTINE EXPLORATION FUND,

38 CONDUIT STREET, HANOVER SQUARE, W.

Patron. - H. M. THE KING.

Officers. - President: His Grace the Archbishop of Canterbury. Chairman of the Executive Committee: Maj.-Gen. Sir Charles W. Wilson, K.C.B., F.R.S. Hon. Treasurer: Walter Morrison, M.P. Hon. Secretary: J. D. Crace. Acting Secretary: George Armstrong.

Meetings .- The Executive Committee meet twice monthly, on the first and third Tuesdays; the General Committee meet annually in July.

Membership. -No Entrance Fee; Annual Subscription, 10s. 6d., £1, 1s., and upwards.

List of Papers contributed, and published in the Quarterly Statements for July and October 1901.

East.

Bliss, F. J.—Notes on the January Quarterly Statement.

Clermont-Ganneau, Prof., LL.D.—The Land of Promise, mapped in Mosaic at Mâdeba; the Cufic Inscription in the Basilica of Constantine and the Destruction of the Church of the Holy Sepulchre by the Caliph Hakem; Betomarsea-Maioumas, and "the matter of Peor"; Hebrew Inscription in Mosaic at Kefr Kenna.

Conder, Col. C. R., R.E.—Note on Dolmens; the Site of Calvary.

Dickson, J.—A Recently Discovered Mosaic at Jerusalem.

Gell, Rev. Canon.—The Site of the Holy Sepulchre; Excursus on the Resurrection on the Hypothesis that it took place from a Tomb similar in Construction to the "Tombs of the Kings," and in that Vicinity.

Baldensperger, P. J.-Woman in the | Hanauer, Rev. J. E.-The Ruin at Khurbet Beit Sawir.

Hill, G.—The Ruin at Khurbet Beit Sawir.

Macalister, R. A., M.A.—The Rock-cut Chapel at Beit Leyi; Tomb-Kohl; the es-Sûk Inscription; on a Sepulchral Cist near Tell Sandahannah; on certain Antiquities in the neighbourhood of Beit Jibrîn; the Birak esh-Note on West Shinanîr; a Palestinian Dolmens; Addenda to the List of Rhodian Stamped Jarhandles from Tell Sandahannah; the Nicophorieh Tomb.

MacColl, Rev. Canon.—The Site of Golgotha and the Holy Sepulchre. Masterman, Dr E. W. G.—The Ruin at Khurbet Beit Sawir.

Nies, Rev. J. B., Ph.D.—Notes on a Cross Jordan Trip made October 23rd to November 7th, 1899.

Schick, Dr C .- A Recently Discovered Mosaic at Jerusalem; Hill of

"Jeremiah's Grotto," called by General Gordon "Skull Hill."

Segall, Rev. J.—A Druze Talisman. Smith, Prof. G. A.—Notes of a Journey through Hauran, with Inscriptions found by the way. Vincent, Father. - The Tombs of the

Prophets at Jerusalem.

Watson, Col. C. M., C.M.G.—The Measurement of Eggs.

Wilson. Maj. Gen. Sir Ch., K.C.B., F. R.S., R. E. - Notices of Foreign Publications.

Wright, Prof. T. F., Ph. D.—Jar-handle Stamp at Cambridge, U.S.A.; a Crusading Inscription.

List of Papers contributed to the Quarterly Statements, January and April 1902.

Reports. — I. The Newly-Discovered Macalister, R. A. S., M.A.—Remarks Tomb North of Jerusalem; II. on the October, 1901, "Quarterly Inscription from the Wâdy Samâr; III. The Ancient Necropolis at Kerm esh-Sheikh; IV. Further Jar-Handles with Rhodian Stamps; V. The "Egyptian Tomb" at Silwan; VI. The Mosaic in the Church of Nôtre Dame de Spasme, Jerusalem.

W. F., M.A.—Sen-Birch, Rev.nacherib's Catastrophe at Nob.

Bliss, F. J., Ph.D.—The German

Excavations at Ba'albek.

Caldecott, Rev. W. S.—The Biblical

Cubit: a new suggestion.

Clermont-Ganneau, Prof.—Archæological and Epigraphic Notes on Palestine: Dannaba and Job's Country; Zeus-Helios and Baal-Bosor; some Greek Inscriptions in the Hauran; fresh Remarks on the Hebrew Mosaic of Kefr Kenna; Baal-Bosor or Baalkosor; Depository of Ancient Arrows in the Castle of David; the Plasterer Sosibios of Gaza.

Conder, Col. C. R., LL.D.—Hebrew Weights and Measures.

Translation of an Assyrian Par-

- Zuallardo's Travels.

Gautier, L.—Remarks on the July, 1901, "Quarterly Statement."

Glaisher, J., F.R.S.—Results of Meteorological Observations taken at Jerusalem and Tiberias in the Year 1900.

Hill, G.—Site of Golgotha and the Holy Sepulchre.

Statement."

- The Sculptured Cave at Saris.

— El-Edhemiyeh (Jeremiah's Grotto).

Masterman, Dr E. W. G.—The Recently Discovered Aqueduct from the Virgin's Fountain.

Observations of the Dead Sea Levels.

- 'Ain el-Feshkhah, el-Hajar, el-Asbah, and Kh. Kumrân.

Merrill, Dr S .- Ancient Arrows in the

Castle of David.

Post, Rev. G. E., M.D.—Report of
Rainfall at el-Meshgharah, a Village of Cœlosyria.

Schick, Dr C.—The Virgin's Fount. Notes to accompany the Plan of

Jeremiah's Grotto. The Muristan, or the Site of the Hospital of St John at Jeru-

Smith, Prof. G. A., D. D.—Further

Notes on the Inscriptions found at Tell el-'Ash'ari.

Thomson, Rev. J. E. H., D.D.—The Samaritan Passover.

Warren, Lt.-Gen. Sir C., K.C.B., F.R.S. — Notes on "Du Bimetallisme chez les Hébreux.'

Wilson, Maj-Gen., C. W., K.C.B., F.R.S.—Golgotha and the Holy Sepulchre.

January, Remarks on \mathbf{the} 1901. "Quarterly Statement. By R. A. S. M.

Obituary of Dr Conrad Schick. Notices of Foreign Publications. Table of Transliteration.

WOOLWICH DISTRICT ANTIQUARIAN SOCIETY.

Officers. - President: W. T. Vincent. Hon. Secretary: Richard J. Jackson, 40 Lee Street, Plumstead, Woolwich.

Meetings. - First Thursday in each month from October to March inclusive. The Annual Meeting takes place in March. Conversazione and Exhibition in April. During the Summer Session visits were made as follows:-May 6th,

Royal Artillery Institute; June 3rd, Waltham Abbey; July 22nd, Dorking, Surrey: Sept. 16th. St Saviour's, Southwark.

Membership. - Annual Subscription, 2s. 6d.

[No Return.*]

COUNTRY.

BERKSHIRE ARCHÆOLOGICAL AND ARCHI-TECTURAL SOCIETY,

THE ABBEY GATE, READING.

Founded as the "Berkshire Ashmolean Society" in 1840. Reconstituted under its present title, 1871.)

Patron. - H.M. THE KING.

Officers. -- President: C. E. Keyser, M.A., F.S.A. Hon. Secretary: Rev. P. H. Ditchfield, M.A., F.S.A., F.R.H.S., Barkham Rectory, Wokingham.

Meetings. —About six Ordinary Meetings are held in the year. The Anniversary Meeting usually takes place about May.

Membership. - Annual Subscription, 10s. 6d.

Papers read during Session 1901-1902, and published in abstract in the "Journal," issued quarterly; (5s. per annum); edited by the Rev. P. H. Ditchfield. The Journal also contains the Articles marked *.

Nov. 27.

Ellis, W. P.—Notes on Christ Church Cathedral, Oxford.* May 29.

Churchwardens' Accounts of St Mary, Thame.* Jan.

Foster, Rev. A. J.—Tour through Buckinghamshire.* July.

Goddard, Rev. E. H., M.A.—Church Plate of Wilts. Jan. 30.

Jones, Prof. T. R .- History of Sarsens. * July.

Cheales, Rev. A. - Aucient Egypt. | Kendrick, Hon. Greene. - The Kendrick

Family.* Jan. 1902.

Reysen, C. E., M.A., F.S.A. — Some
North Hants Churches. Sept. **25**.

Saye and Sele, Lord. — Notes on Broughton Castle.* April.

White, J. H.—Battle of Ashdown. Apr. 3.

Young, Sir G., Bart. — Cookham Church.* Apr.

BRADFORD HISTORICAL AND ANTIQUARIAN SOCIETY,

16 PICCADILLY, BRADFORD.

Officers.—President: H. Speight. Hon. Secretaries: C. A. Federer. 8 Hallfield Road; Thomas Howard, 16 Piccadilly.

Meetings. -On second Friday in the month.

Membership.—No Entrance Fee. Annual Subscription, 7s.

Papers read during Session 1901-1902.

Claridge, W., M.A.—The Educational | Institutions of Bradford before the Advent of the School Board. Apr. 11.

Mad Quaker. Jan. 10.

Gregory, Rev. J. — The Genesis and
Growth of the Principle of Toleration historically traced. Nov. 8.

Dall, Rev. B., M.A.—John Naylor, the Mad Quaker. Jan. 10.

Gregory, Rev. J. — The Genesis and Scruton, W.—Sidelights thrown on the History of Bradford by some Ancient

Documents. Dec. 6. Speight, H.—Some Aspects of the Revolution of 1688. Feb. 14.

BRISTOL AND GLOUCESTERSHIRE ARCHÆO-LOGICAL SOCIETY.

EASTGATE, GLOUCESTER. (Founded 1876.)

Officers. - President: The Earl of Gainsborough Hon. Secretary: Rev. W. Bazeley, M. A., Matson Rectory, Gloucester.

Meetings. -Are held in the Spring, May or June, and in the Summer, July or August.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

List of Papers read at the Spring and Summer Meetings in 1901. Those marked * are published in the "Transactions," Vol. XXIV., 1901.

Brakspear, H., F.S.A.—The Architecture of Hayles Abbey.

Dawber, E. G. - Domestic Architecture

of Campden. Aug. 20.

Kennedy-Skipton, H. S. — Sport in Gloucestershire. Aug. 20.

Osborne, F. B .- The Grammar School, Campden. Aug. 20.
Taylor, Rev. C. S. — Meeting of St

Augustine and the Welsh Bishops at Aust.* June 6.

CAMBRIAN ARCHÆOLOGICAL ASSOCIATION.

Officers. - President: Colonel Pryce Jones, M.P. Gen. Secretary: Rev. Canon Trevor Owen, M.A., F.S.A., Bodelwyddan Vicarage, Rhuddlan, R.S.O.

Meetings. -The Anniversary Meeting is held in June.

Membership. - Annual Subscription, 21s.

[No Return.]

CAMBRIDGE ANTIQUARIAN SOCIETY,

ARCHÆOLOGICAL MUSEUM, GREAT ST MARY'S PASSAGE.

Officers. - President: A. Gray, M.A. Hon. Secretary: T. D. Atkinson, St Mary's Passage.

Meetings.—The Anniversary Meeting will be held on May 11. Meetings will be held on November 3 and 17, December 1, February 9 and 23, March 9, and April 27, at 4.30 P.M.

Membership. -No Entrance Fee; Annual Subscription, £1, 1s.

Publications, 1901-1902.—Proceedings, Vol. XLII. (1902), 5s.; Christ Church, Canterbury: (1) Chronicle of John Stone; (2) List of Deans, Priors, and Monks of Christ Church Monastery, by Rev. W. G. Searle, M.A. (1902), 5s.; Verses formerly inscribed on the Twelve Windows in the Choir of Canterbury Cathedral, by M. R. James, Litt.D., 8vo (1901), 2s.

List of Papers read during Session 1901-1902.

Fordham, H. G.—Traces of a Romano-British Enclosure at Odsev.

Exhibition of an Arrow Head found at Odsev.

Freeman, S. J. - Exhibition of Pottery from the Market Hill.

Glaisher, J. W. L. - Exhibition of some early Nottingham Ware and of a Sgraffito Cup.

Haddon, A. C.—Exhibition of a pre-Christian Cross from the North of Ireland.

· Stages and Rejects in the Manufacture of Stone Implements from Piny Branch, Washington, D.C., U.S.A.

Harding, W. A .- Exhibition of Delft Ware.

 Notes on the Parish of Histon. Hügel, Baron A. von-A Month's

Flint Implements Collecting in the Lybian Desert.

Exhibition of the Collections of Flint Implements and Prehistor c Pottery in the Museum.

Hughes, Prof.-Excavations at Horning-

On a Romano-British Kiln in Jesus Lane.

- Exhibition of a Box of Weights for testing Moidores.

- Exhibition of a Kaffir Pillow.

Excavations at Cherry Hinton.

- On some Earthworks at Boxworth. - On Roman Remains found near

Milton. On Substitution of Design as exemplified by an Indian Cloth.

- Comparison of the Cast of the Jaw of a Dog from the Forum in Rome with those found at Chesterford and in the Fens.

- On Ancient Horse-shoes. Exhibition of a Turf Parer, etc. from Brigsteer.

James, M. R.—The Sepulchral Brass of St Henry, the Apostle, of Finland. A Legend of St Stephen.

- St Urith of Chittlehampton.

Lectures.

henge.

Haddon, A. C.—On the Evolution of the Cart.

Lewis, Mrs. - A Visit to the Coptic Monasteries of Egypt.

Gowland, W.—Excavation at Stone- | Rapson, E.—Explorations of Dr M. A. Stein in Chinese Turkestan.

Wilson, Sir Chas. - On some Recent Results of the Palestine Exploration Fund.

CAMBRIDGESHIRE AND HUNTINGDONSHIRE ARCHÆOLOGICAL SOCIETY,

DEPÔT AT MR G. H. TYNDALL'S, MINSTER PLACE, ELY.

(FOUNDED 1900.)

Patron.—The Lord Bishop of Ely.

Officers. - President: The Rt. Hon. the Earl of Sandwich. Editor, Hon. Secretary, and Treasurer: Rev. C. H. Evelyn White, F.S.A., Rampton Rectory, Cambridge.

Objects. —The promotion of Antiquarian Study and Research in connection with the two Counties.

Meetings. - General Meeting and Excursion in July. Annual Meeting, etc., in the Isle of Ely on October 16 (St Etheldreda's Eve).

Membership.—Annual Subscription, 10s. 6d.

Publication.—Transactions, 1901, annually, 10s. 6d.

List of Papers read at October Meeting, 1901.

Evelyn-White, Rev. C. H., F.S.A.— The term "Galilee" as applied to the Western Part of a Church, and its possible Relation to Sanctuary Use. Oct.

Evelyn-White, Rev. C. H., F.S.A.— Stuntney Church in the Isle of Ely, and its "Restoration." Oct. Sheard, M.—Sutton Church in the Isle of Ely. Oct.

THE CHESTER AND NORTH WALES ARCHÆO-LOGICAL AND HISTORIC SOCIETY.

GROSVENOR MUSEUM, CHESTER.

Officers.—President: The Lord Bishop of Chester. Editorial Secretary: Rev. Gen. Secretary: Rev. J. M. New, Abbey Street. Canon Morris, D.D. Assist.-Gen. Secretary: W. Conway, 8 and 10 Old Bank Buildings, Chester.

Meetings. - Second Tuesday in each month, from October to April inclusive. The Annual Meeting takes place in May.

Membership. - No Entrance Fee; Annual Subscription, 10s. 6d.

Publication during 1901-1902. — Transactions, Vol. VIII., New Series, 10s. 6d.

List of Papers read during Session 1901–1902.

Barber, The Ven. Archdeacon.-Ralph | Higden: the Discovery of his Tomb in Chester Cathedral, with some interesting Particulars and Correspondence connected there-

with. May 13.

Bridge, Dr J. C.—The Masque of Comus (as performed at Ludlow Castle in 1634). Written by John Milton, Music by Henry Lawes, with Notes on Ludlow and the Neighbourhood. Jan. 21.

The Chester Miracle Plays: some Facts concerning them, and the reputed Authorship of Ralph Higden. Mar. 18.

Johns, Rev. W. S .- King Alfred. Nov.

May, T. — The latest Discover...

Wilderspool. Dec. 17.

Powell, E.—Ralph Higden (the Chester Monk), Author of the Chester Mystery Plays. An Appreciation of his Work, his Time, and his Status in our Island Story. Feb. 25.

Charters dating from A.D. 1171 to A.D. 1689. May 13.

Williams, F. H.—Description of the various objects in the Collection of Antiquities recently presented by him to the Society. Oct. 28.

CLIFTON ANTIQUARIAN CLUB.

Officers. - President: The Right Rev. G. F. Browne, D.D., Bishop of Bristol. Secretary: A. E. Hudd, F.S.A., 94 Pembroke Road, Clifton.

Objects. - The Study and Exploration of the Archeology of the West of England and South Wales, etc., etc.

Meetings.—Members meet at each other's houses at various dates, previously determined, at 8 P.M. The Anniversary Meeting takes place in January.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

Publication .- Proceedings, issued to Members gratis, and to Subscribers at 7s. 6d. per part.

[No Return.]

CUMBERLAND AND WESTMORLAND ANTIQUA-RIAN AND ARCHÆOLOGICAL SOCIETY,

TULLIE HOUSE, CARLISLE. (FOUNDED 1866.)

Officers. - President: The Right Rev. the Bishop of Barrow-in-Furness. Hon. Secretaries: Titus Wilson, Aynam Lodge, Kendal; J. F. Curwen, Horncop Hall, Kendal. Editor: W. G. Collingwood, Coniston, R.S.O.

Meetings.—Three Meetings are held annually, in April, June, and August or September.

Membership. - Annual Subscription, 10s. 6d.

Publication.—Transactions, Vol. II., New Series, edited by W. G. Collingwood.

List of Papers read and communicated during 1901, and published in the "Transactions," issued annually to Members,

Barrow-in-Furness, Nicolson's Diaries. Aug. 29.

Bewley, Sir E. T .- On the Lowthers who held Judicial Office in Ireland

in the 17th Century. June 20.

Bower, Rev. Canon. — On Recent

Roman Finds. (Com.)

Collingwood, W. G. — The Gosforth
Holy Well. June 20.

The Battle of Stainmoor. Aug.

Cowper, H. S., F.S. A.—Recent Roman Discoveries at Waterhead, Anible-

side. June 20. Curwen, J. F., F.R.I.B.A.—St Cuthbert's Church, Bewcastle. Aug.

Wharton Hall. Aug. 30.
Dymond, C. W., F.S.A., Hon. F.S.A.
Scot.—An Exploration of Sunkenkirk. June 20.

and T. H. Hodgson, F.S.A.—An Ancient Village near Threlkeld. June 20.

Farrer, W .- On a Charter of Richard

de Lucy. (Com.)

Gaythorpe, H., F.S.A.Scot. — Church

Bells in the Archdeaconry of

Furness. Aug. 29.

Grainger, F.—The Holme Cultram
Chapels. (Com.)

Haverfield, F., F.S.A., Hon. F.S.A.
Scot.—Report of the Cumberland Excavation Committee. (Com.)

Hodgson, T. H., F.S.A.—The Military Road in Cumberland. Aug. 29.

Lidbetter, R.-A Pre-Norman Shaft at Great Clifton. June 20.

Bishop of.—Bp. Little, J., M.D.—A Gold Ring found at Maryport. June 20.

Metcalfe, Rev. R. W.—On Ravenstone-

dale Church. Aug. 29.

H. Milton. A. — Sherburn Rev.

Hospital. June 21.
Parker, Dr C. A., F.S.A.Scot.—Bells at Gosforth, Irton, and Waberth-

waite. June 20. - Early Sculptured Stones

Gosforth, etc. June 20.
Parker, F. H. M.—On the Marriage of Sir Hugh de Louthre and Margaret de Whale. Aug. 29.

Sparke, A.—A Sculptured Basin found

at Drumburgh. June 20. Sykes, Rev. W. S.—Whicham Church. Aug. 29.

Thompson, W. N.—Gosforth in the Chartulary of St Bees.

Thornley, Rev. Canon. - Ring-marked Stones at Glassonby, etc.

Wharton, Rev. J. - The Whartons. Aug. 30.

Pendragon Castle. Aug. 30.
Lammerside Castle. Aug. 30.

Whiteside, Rev. J.—Mardale Chapel. June 20.

— Shap Church. June 20.

Wilson, Rev. J.—Charitable Trust in the Diocese of Carlisle. (Com.)

On a Chinese Tombstone from (Com.) Cargo.

Foldsteads. **Excavations** at (Com.)

Site of Rocliffe Castle. (Com.)

ESSEX ARCHÆOLOGICAL SOCIETY,

THE CASTLE, COLCHESTER. (Founded 1852.)

Officers. - President: G. Alan Lowndes, M.A. Secretary: G. F. Beaumont, F.S.A., The Lawn, Coggeshall, Essex.

Meetings.—In March, May, July, and September. The Annual General Meeting takes place in March.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

Publication .- Transactions, Vol. VIII., Parts 3 and 4, 5s. each, issued half-yearly.

EXETER DIOCESAN ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY.

5 BEDFORD CIRCUS, EXETER.

Officers. - President: Hon, Mark Rolle, Hon, Secretary: James Jerman, F.R.I.B.A.

Meetings. —Quarterly. The Annual Meeting is in February.

Membership. - Annual Subscription, 10s.

[No Return.*]

HAMPSHIRE FIELD CLUB AND ARCHÆOLOGICAL SOCIETY.

100 ABOVE BAR STREET, SOUTHAMPTON.

- Officers. President: J. H. Oglander, LL.D., F.S.A. Gen. Secretary: W. Dale, F.G.S., Sussex Place, Southampton. Editorial Secretary: Rev. G. W. Minns, LL.B., F.S.A.
- Meetings. Field Meetings are held during the Summer. The Anniversary Meeting is in May.

Membership.—Limited to 250. Annual Subscription, 7s. 6d.

Publication, -Papers and Proceedings, 1901, 3s. 6d.

List of Papers read at the May Meeting 1902.

Wood Garston.

Eyre, Kev.
Brambles. Rev. W. L. W.-Hampshire

Gardiner, L. - Gilbert White of Selborne.

Keyser, C. E., M. A., F.S. A. -Mural Paintings at Ashmansworth Church.

Bigg-Wither, Rev. R. G.-Manor of Minns, Rev. G. W., F.S.A.-Funeral Garlands at Abbotts Ann.

Money, Walter, F.S.A. — Ashmansworth Church.

Shore, T. W., F.G.S.—King Arthur and the Round Table at Winchester.

EAST HERTS ARCHÆOLOGICAL SOCIETY,

BISHOP'S STORTFORD. (FOUNDED 1898.)

- Officers. President: A. H. Smith, J.P., M.P. Hon. Secretary: W. B. Gerish, Ivy Lodge, Bishop's Stortford.
- Objects.—To collect and publish Information on the History and Antiquities of the District, and to oppose and prevent, as far as may be practicable, the execution of any injuries with which ancient buildings and monuments within the district may be from time to time threatened.
- Meetings.—Council Meetings only are held, quarterly. Excursions are made during the summer months. The Annual Meeting takes place in February.

Membership.—Annual Subscription, 10s. 6d.; no Entrance Fee.

Publication.—Transactions, Part 3 (completing Vol. I.), price 7s.

List of Papers read during July and August 1901.

Brown, J. A .- Hospice of the Knights | Caldecott, J. B .- Insignia and Plate of the Hertford Corporation. (Con-Hospitallers at Standon. July tributed.)

R. B.—A Note on the Ermine Street in Hertfordshire. (Contributed.)

Crofton, Rev. W. d' A .- Standon. July 17.

Lucas. G.—The Church of St Mary, Hitchin. Aug. 28.

Millan, W .- The Church of St Mary, Hitchin. Aug. 28.

Mills, Rev. W.—St Peter's Church, Bennington. July 17.

Salkield, T.—John Loudon M'Adam, the Great Road-Maker. (Contributed.)

Sworder, Mrs G. W .- Little Munden. July 17.

Tuck, Rev. A. J.—Great Munden Church. July 17.

KENT ARCHÆOLOGICAL SOCIETY.

THE MUSEUM, ST FAITH STREET, MAIDSTONE. (FOUNDED 1857.)

Officers. - President: Earl Stanhope, F.S.A. Hon. Secretary: G. Payne, F.L.S., F.S.A., The Precinct, Rochester.

Meeting. - The Annual Meeting takes place in July.

Membership. -- Entrance Fee, 10s.; Annual Subscription, 10s.

Publication.—Archaeologia Cantiana, Vol. XXV. (issued to Members only).

LANCASHIRE AND CHESHIRE ANTIQUARIAN SOCIETY,

CHETHAM COLLEGE, MANCHESTER. (FOUNDED 1883.)

Officers. - President: Rev. E. S. Letts, M.A. Hon. Secretary: Geo. C. Yates, F.S.A., Swinton, Manchester.

Meetings, -First Friday in each month, from October to April, in Chetham College. The Anniversary Meeting takes place in January.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

List of Papers read during Session 1901-1902.

Dawkins, Dr Boyd, F.R.S. — On recent Finds of Palæolithic Implements. Oct. 11.

Fishwick, Lieut.-Col., F.S.A.-The Old Lancashire Castles. Nov. 7.

Harrison, W.—Ancient Forests and Deer Parks in Lancashire. Nov.

Bateman, C. T. T.—Local History in Pugh, Rev. G. A., M.A.—The Old Ordinary Documents of Title, Jan. Stained Glass Windows in Ashton

Parish Church. Feb. 14.

Roeder, C.—Early Mining at Alderley
Edge. Jan. 10.

 Old Lancashire and North Country Culinary History. Mar. 14.

Taylor, H.—Ancient Crosses of Lancashire. (The Hundred Amounderness.) Apr. 11.

THORESBY SOCIETY, LEEDS,

10 PARK STREET. (FOUNDED 1889.)

Officers. - President: Col. Edmund Wilson, F.S.A. Secretaries: G. D. Lumb, 65 Albion Street; W. H. Witherby, M.A., The Grammar School.

Meetings.—Ordinary Meetings at irregular intervals; the Annual Meeting is held in February.

Membership.—Annual Subscription, 10s. 6d.; the Life Subscription is £5, 5s.

Publications.—Leeds Parish Church Registers, 1681-1695, and Miscellanea, containing articles on The Leathley Family; Leeds Wills; Captain Pickering's Note-book, 1656; Plan of Leeds, 1806; and Subsidy Rolls.

LEICESTERSHIRE ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY,

OLD TOWN HALL LIBRARY, ST MARTIN'S, LEICESTER. (FOUNDED 1855.)

- Officers. Patrons: The Duke of Rutland, K.G.; The Lord Bishop of Peterborough, D.D. Hon. Secretaries: (Financial) Col. G. C. Bellairs, The Newarke, Leicester; (Corresponding) Major W. J. Freer, 10 New Street, Leicester; (Editorial), Rev. S. T. Winckley, M.A., Houghton-on-the-Hill Rectory, Leicester.
- Meetings.—On the third or last Mondays in March, May, July, Sept., and Nov., at 3 p.m. The Anniversary Meeting takes place the last Monday in January.

Membership. —Annual Subscription, 10s.

Publication during 1901,—Transactions, Part II., Vol. IX.

List of Papers read during 1901.

- Rothby Temple, Leicestershire. Jan. 28.
- Fletcher, Rev. W. G. D., M.A., F.S.A. -Paper on the Lords Lieutenant of Leicestershire. Nov. 25.

Draper, A. T. — Report upon the Freer, Major W. J., V.D., F.S.A.—
Hypocaust of a Roman Villa at Report of the Visit to Oxford on June 10 and 11, 1901, of Members of the Society. Aug. 29. - The Clerks of the Peace and

Clerks to the Lieutenancy of Leicestershire. Nov. 25.

THE ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY OF THE COUNTIES OF LINCOLN AND NOTTINGHAM.

5 EASTGATE, LINCOLN.

Officers. — President: The Lord Bishop of Lincoln. Hon. Secretary: Rev. A. F. Sutton, Brant Broughton Rectory, Newark-on-Trent.

Meetings. - Second Tuesday in alternate months. The Anniversary Meeting is held in July.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d. Publication. — The Annual Volume.

NEWCASTLE-UPON-TYNE SOCIETY OF ANTIQUARIES,

THE CASTLE, NEWCASTLE-UPON-TYNE. (FOUNDED 1813.)

Officers.—Patron and President: His Grace the Duke of Northumberland, K.G. Secretaries: Robert Blair, F.S.A., South Shields; R. Oliver Heslop, F.S.A., Newcastle. Editor: R. Blair.

Meetings.—Last Wednesday in each month at 7 P.M. The Anniversary Meeting takes place in January (at 1 P.M.).

Membership.—No Entrance Fee; Annual Subscription, 21s.

Publication.—Report of Excavations along line of Roman Wall, 5s.

- List of Papers read during Session 1901-1902, and published in "Archæologia Aeliana" (A.), or in "Proceedings" (P.), for Members only.
- Adamson, Rev. C. E.—The Clergy of | Haverfield, F., F.S.A.—On Excavations Newcastle and Gateshead in 1774. (P.) Aug. 28.

Local Church Arrangements in the 18th Century. (P.) May 28.

Adamson, H. A. — Note on Seaton

Delaval Hall. (P.) May 28.

Baily, Rev. J.—On Briefs collected at
Ryton, Co. Durham. (P.) May

Blair, R., F.S.A.—On a Newly Discovered Roman Inscription from near Cawfields. (P.) Aug. 28.

- On Bishop Middleham, Sedgefield, etc. (P.) Sept. 2.

- On a Roman Inscribed Stone, etc., at Longwitton Hall, Northumberland. (P.) Jan. 29. - On a Small Hoard of Roman

denarii from Carrawburgh. Feb. 26.

Boutflower, Rev. D. S .- The Boutflowers of Apperley. (A.) July

Charlton, O. J.—The late Archbishop Eyre of Glasgow. (P.) Apr. 30.

Clark, Prof. E. C., F.S.A.—On the Meaning of the Name Boutflower.

(P.) Apr. 30.

Clephan, R. C., F.S.A.—On Egyptian

Beads. (P.) July 31.

On Two Efficies in Redmarshall

Church, Co. Durham. (P.) Sept.

On a "Black-Jack." (P.) Oct. 30.

On Two Styrian Hunting Axes. (P.) Feb. 26.

Dendy, F. W.—On Privy Seal Dockets.
(A.) Nov. 27.

Dixon, D. D .-- On Hepple Fell, Northumberland, etc. (P.) June 6.

On Holystone and Church. (P.) June 6.

On Whitefield British Camp.
(P.) June 6.

Ellis, The Hon. and Rev. Wm.—On

the Ogle Badges in Bothal Church, Northumberland. (P.) Mar. 26. Gibson, John. - On Discoveries near the

Castle, Newcastle. (P.) Feb. 26.

at Rudchester, Northumberland.

(P.) Aug. 28.

Heslop, R. O., F.S.A.—On the Discovery of a Stone Coffin in New-

castle. (P.) Sept. 25.

Hodgkin, T., D.C.L., F.S.A., etc.—
Obituary Notice of Cadwallader J.

Bates. (A.) Apr. 30. s, Rev. A. — On Stannington Ćhurch, Northumberland.

(P.) Oct. 5. Knowles, W. H., F.S.A.—On a Fragment of a Roman Altar discovered

at Bywell. (P.) Feb. 26.

Leighton, J. — On Harnham House,

Northumberland. (P). July 29. Ogle, Sir Hy. A., Bart.—On the Will of Thomas Ogle of Dublin and of Tritlington. (P.) Feb. 26.
On Local Charters in the British

Museum. (P.) Mar. 26.

- On King Edward II. Mar. 26. Peacock, Edw., F.S.A.—On a "Black-Jack" in his Possession. June 29.

Pritchett, J. P. — On Discoveries at Raby Castle, Co. Durham. (P.) Nov. 27.

Reynolds, Rev. G. W .- On Grindon Church, Co. Durham. (P.) Sept.

Savage, Rev. H. E .- On 18th Century Charity Schools. (P.) May 28.

Spencer, P. C .- On the Shaftoe Family. (P.) July 29.
Taylor, T., F.S.A.—On "Black Jacks"

in his Possession. (P.)

Thompson, J. -- The Wearbridge at Stanhope, Co. Durham. (P.) Feb.

Tomlinson, W. W. — The Duke of Wellington on a North Country Waggon Way. (P.) Feb. 26.

Ventress, J.—On a Dated Door Head in Newcastle. (P.) Feb. 26.

— On a House in the Bigg Market,

Newcastle. (P.) May 28.
White, R.—Two Letters of, relating to

Otterburn. (P.) Feb. 26.

NORFOLK AND NORWICH ARCHÆOLOGICAL SOCIETY,

NORFOLK AND NORWICH LIBRARY, GUILDHALL HILL, NORWICH.

Officers. — President: General W. E. G. L. Bulwer, C.B. Secretary: L. G. Bolingbroke, Ferryside, Norwich.

Meeting.—The Anniversary Meeting is held in the Spring.

Membership.—Annual Subscription, 7s. 6d.

Publication, 1901. — Original Papers, Vol. XIV., Part 3, 7s. 6d.

ARCHITECTURAL SOCIETY FOR THE ARCHDEACONRIES OF NORTHAMPTON AND OAKHAM,

1A SHEEP STREET, NORTHAMPTON. (Founded 1844.)

Officers.—President: Lord Bishop of Peterborough. Hon. Secretaries: C. A. Markham, F.S.A., 4 St George's Place, Northampton; A. K. Paney, M.A.

Meetings.—The Anniversary Meeting takes place on the second Monday in December. Ordinary Meetings are held on the second Monday in alternate months.

Membership. - No Entrance Fee; Annual Subscription, 10s.

Title of Paper read on December 9, 1901, and which will be published in the "Proceedings."

Gotch, J. A., F.S.A.—Renaissance Architecture in Northamptonshire.

OXFORDSHIRE ARCHÆOLOGICAL SOCIETY,

18 GEORGE STREET, OXFORD. (FOUNDED 1853.)

Officers.—President: Right Hon. Lord North. Secretary: Rev. G. E. Barnes, Somerton Rectory, Banbury.

Meeting.—The Anniversary Meeting takes place in June.

Membership.—Annual Subscription, 5s.

Publications, 1901-1902.—Transactions (1901), with Rev. M. T. Pearman's Account of Nuffield, price, Members 1s. 6d., Non-members, 2s.; Report (1901), with illustrations of Wroxton Abbey and Broughton Castle, price, Members, 1s. 6d., Non-members, 2s.

OXFORD ARCHITECTURAL AND HISTORICAL SOCIETY,

ASHMOLEAN MUSEUM. (Founded 1839.)

Officers.—President: J. L. Myres, M.A., F.S.A., F.R.G.S., Christ Church, Oxford. Hon. Secretaries: O. J. R. Howarth, B.A., F.R.G.S.; J. E. Geoghegan.

Meetings.—Wednesdays, three times in Lent and Michaelmas Term and once in Summer Term, at 8.15 P.M. The Anniversary Meeting takes place about the end of November.

Membership.—Entrance Fee, 5s.; Annual Subscription, 5s.

Official Minutes (1902) reprinted from the "Quarterly Journal of Archwology for the Counties of Berks, Bucks, and Oxon," price 5s. annually (Parker). "Proceedings," New Series, Parts XXVIII.—XXIX. (Vol. VI., Parts 1 and 2) (1902), 2s. each.

List of Papers read during Session 1901-1902.

Allfrey, E. W., M.A.—The Romanesque Churches of Auvergne. Nov. 13.

The Development of Gothic Architecture, Illustrated from Buildings in Oxford (Followed by a Society).

in Oxford (followed by a Series of Demonstrations in situ.) Jan. 29. hby, T., B.A., F.S.A.—Recent Dis-

Ashby, T., B.A., F.S.A.—Recent Discoveries in the Roman Forum. Oct. 30.

Bell, A. M.—Stages of the Palæolithic

Era in Oxfordshire. Mar. 5.

Gillett, C. E.—The Quakers in Oxford.

June 4.

Hogarth, D. G., M.A., F.R.G.S.—

Excavations at Zakro, in Eastern Crete. Feb. 12. Howarth, O. J. R., B.A., F.R.G.S.— The Physical Situation of Oxford, and its Historical Meaning and Importance. Mar. 12.

Madan, F., M.A., F.S.A. — Oxford before the University. May 7.

Myres, J. L., M.A., F.S.A.—Palæolithic Implements from Savernake Forest. Mar. 5.

— The Past and Present Work of the Society (Presidential Address). Nov. 27.

Petrie, Prof. W. M. F., F.R.S., D.C.L.

—The Beginning of Egyptian History. June 11.

OXFORD HISTORICAL SOCIETY.

(FOUNDED 1884.)

Officers.—President: the Rev. the Provost of Queen's College. Secretary: R. S. Rait, Fellow of New College.

Objects,—This Society exists solely for the purpose of publishing works dealing with the history of Oxford.

Membership.—Annual Subscription, 21s.

Publications.—Hearne's Diary and Collections, Vol. V., 21s., Vol. VI., price not yet fixed; Oxford Studies, by J. R. Green and Robertson.

OXFORD UNIVERSITY ANTIQUARIAN SOCIETY,

ASHMOLEAN MUSEUM. (Founded May 1893.)

Officers.—President: Viscount Dillon, Pres.S.A. Vice-President: Rev. W. E. Scott-Hall, F.S.A.Scot., St Mary Hall, Oxford. Hon. Secretary: R. A. Raven, Hertford College.

Meetings.—During Term only. The Annual Meeting takes place at the end of the Summer Term.

Membership, -Annual Subscription, 5s.

[No Return.]

POWYS-LAND CLUB,

THE MUSEUM, WELSHPOOL.

Officers.—President: The Rt. Hon. the Earl of Powis. Hon. Secretary and Curator: T. Simpson Jones, Gungrog Hall.

Meeting. -The Annual Meeting is held in October.

Membership .- No Entrance Fee; Annual Subscription, £1, 1s.

Publications, 1901-1902.—Transactions (issued to Members), Vol. XXXII.; Montgomeryshire Screens and Roodlofts, by Arch. Thomas, M.A., F.S.A.; History of Parish of Llandysilio, Part III., by Thomas Pryce; Pryce (Newtown Hall) Correspondence; A History of the Parish of Guilsfield (Cegidva), Part II., by T. Simpson Jones and Robert Owen; Mallwyd Parochial Registers; Obituary Notice, Stanley Leighton, M.P., M.A., F.S.A. (Annual Meeting), 1901; Montgomeryshire Records, editor, Richard Williams, F. R. H. S.

ST ALBANS AND HERTFORDSHIRE ARCHITEC-TURAL AND ARCHÆOLOGICAL SOCIETY.

THE HERTFORDSHIRE COUNTY MUSEUM, HATFIELD ROAD, ST ALBANS. (Founded 1845.)

- Officers. President: The Very Rev. the Dean of St Albans. Hon. Secretaries: W. Page, F.S.A., R. H. Hillier, M.R.C.S., and Mrs Maude C. Knight, Beaconsfield Road, St Albans.
- Meetings. Evening Meetings in Winter, at 8.30 P.M., on various dates, and Excursion Meetings in Summer. The Anniversary Meeting is held in April.

Membership.—Annual Subscription, 10s. 6d.; Life Composition, £8, 8s.

Publication during 1901.—Transactions, 4s.

List of Papers read during Session 1901-1902, and published in "Transactions."

Anderson, A. W., A.R.I.B.A.—The Kitton, F. G.—Mural Paintings in Lesser Domestic Architecture of Hertfordshire. Mar. 13. Hertfordshire. Nov. 1.

F.R.G.S. - English Ashdown, C., Mediæval Armour. Apr. 30. Hodgon, V. T.—Mural Paintings in

Hertfordshire. Mar. 13.

Johnson, C., M.A.—The Elements of

Hertfordshire. Mar. 13.

Page, W., F.S.A.—Further Excavations on the Site of Verulam. May 16.

- Mediæval School of Mural Painting at St Albans. May 16.

- Some Notes on Hatfield House. Heraldry. Feb. 27. July.

Tarte, F. W. K., M.S.A.—Mural Painting in Hertfordshire. Mar. 13.

WM. SALT ARCHÆOLOGICAL SOCIETY, STAFFORD,

2 BANK PASSAGE. (Founded 1879.)

Officers. — President: Rt. Hon. Lord Wrottesley. Hon. Secretary: Maj.-Gen. Hon. Geo. Wrottesley, 75 Cadogan Gardens, London, W. Assistant-Secretary: J. W. Bradley, B.A., William Salt Library, Stafford.

Meeting.—The Anniversary Meeting takes place early in October.

Membership. —Annual Subscription, 21s.

Publication.—Collections for a History of Staffordshire, edited by the Society issued annually.

SHROPSHIRE ARCHÆOLOGICAL AND NATURAL HISTORY SOCIETY.

- Officers.—President: Rt. Hon. Lord Barnard. Secretary: Francis Govne Shrewsbury.
- Meetings. Council Meetings are held on the second Wednesday in each month. The Annual General Meeting is held early in the year. An Excursion is made in Summer.

Membership.—No Entrance Fee; Annual Subscription, 21s. Publication during 1901,—Transactions, Vol. II., 3rd Series.

SOMERSETSHIRE ARCHÆOLOGICAL AND NATURAL HISTORY SOCIETY,

THE CASTLE, TAUNTON. (FOUNDED 1849.)

Officers. - President: The Very Rev. the Dean of Wells. Hon. General Secretaries: Lt.-Col. Bramble, F.S.A., Seafield, Weston-Super-Mare; Rev. F. W. Weaver, F.S.A., Milton Clevedon, Evercreech, Bath; and C. Tite, Rosemount, Taunton. Assist.-Secretary and Curator: H. St G. Gray, Taunton Castle.

Meetings. - Committee meet on the Second Friday in each month at 3 P.M. The Anniversary Meeting is held in July or August.

Membership.—Entrance Fee. 10s. 6d.: Annual Subscription, 10s. 6d.

Publication.—Proceedings for 1901, Vol. XLVII., 10s. 6d. (to Non-members.).

List of Papers contributed in 1901, and published in the " Proceedings."

tory of Church Plate, Somerset. (Part V.)

Church, Rev. Canon.—History of the

Cathedral Library at Wells.

Coleman, Preb., M.A.—The Prebend
and Prebendaries of Warminster, alias Luxvile, in the Cathedral Church of Wells.

F.S.A.—On the Elworthy, F. T., Needle and Thread at Langford, Budville.

Bates, Rev. E. H., M.A.—An Inven- | Fry, E. A.—On the Inquisitiones Post-Mortem for Somerset, from Henry VII. to Charles I. (1485-1649).

Gray, H. St G.—A Memoir of General Pitt-Rivers, D.C.L., F.R.S. — On a Bronze Sword found on

Pitney Moor, Somerset.

Greswell, Rev. W.—Ancient Dumnonia. Lloyd-Morgan, Prof., F.R.S.—On Burwalls and Stokeleigh Camps.

On the Megalithic Remains at Stanton Drew.

SUFFOLK INSTITUTE OF ARCHÆOLOGY AND NATURAL HISTORY,

THE ATHENÆUM, BURY ST EDMUNDS. (FOUNDED 1848.)

Officers. - Hon. Secretary: Vincent B. Redstone, Mill Hill, Woodbridge.

Meeting.—The Anniversary Meeting takes place in April or May.

Membership. - Annual Subscription, 10s.

Publications, 1901-1902. - Suffolk Feet of Fines, by Walter Rye, 10s.; Proceedings, Vol. IX., Part 1, 7s. 6d.

List of Papers read during Session 1901–1902.

Howorth, Sir Hen., M.P.—On Recent Discovery of Palæolithic Remains in Ipswich. May 26.

Redstone, V. B —Original Notes on the Parentage of Cardinal Wolsey

from the Corporation Records. Nov. 6.

Redstone, V. B.—Notes from a Tudor Merchant's Account-book, 1522-1544. May 26.

SURREY ARCHÆOLOGICAL SOCIETY.

CASTLE ARCH, GUILDFORD.

- Officers. President: The Right Hon, Viscount Midleton. Hon, Secretaries: Montague S. Giuseppi, F.S.A., 109 Lewin Road, Streatham Common, S.W.
- Meetings .- Annual General Meeting in March. Annual Excursion in June. Ordinary Meetings held when convenient.
- Membership. Entrance Fee, 10s.; Annual Subscription, 10s.; Life Composition, £8.
- Contents of "Surrey Archeological Collections," Vol. XV. (15s.), issued in 1901.
- André, J. L., F.S.A.—Female Head- | Lambert, F. A. H., F.S.A.—Notes dresses exemplified by Surrey on the Manor and Parish of Brasses.
- Bax, A. R., F.S.A.—Preparations by the County of Surrey to resist the Spanish Armada.
- Cooper, Rev. T. S., M.A., F.S.A. The Church Plate of Surrey.
- Johnston, P. M.—Send Church and the Chapel of Ripley.
- Woodmansterne.
- Malden, H. E., M. A .- The Shell Keep at Guildford Castle.
- Norman, P., Treas., S.A.—The Accounts of the Overseers of the Poor of Paris Garden, Southwark, 1608-1671.

SUSSEX ARCHÆOLOGICAL SOCIETY,

LEWES CASTLE, LEWES.

Officers. - President: Marquess of Abergavenny, K.G. Hon. Secretary: H. Michell Whitley, The Castle, Lewes.

Meetings. -The Annual General Meeting is held in March, and an Autumn Meeting is also held. District Meetings are occasionally held.

Membership.—Entrance Fee, 10s.; Annual Subscription, 10s.; Life Composition, £8.

Publication during 1901.—Sussex Archaeological Collections, Vol. XLIV. (issued to Members only).

Contents of above Volume.

- André, J., F.S.A.—Fonts in Sussex Churches.
- Arnold, Rev. F. H., F.S.A. Extracts from the Churchwarden's Accounts of St Peter's the less, Chichester.
- Attree, Lieut.-Col., F.S.A.—Notes on the Family of Chaloner of Cuckfield.
- Boger, J. C.—The Play acted by the "Tipturs" at West Wittering, Chichester.
- Cooper, Rev. Canon. Pre-Reformation Vicars of Cuckfield and the Elizabethan Vicars of Cuckfield.
- Some Notes on the Life of Saint Richard of Chichester.
- Dawson, C., F.S.A.—The Services of the Barons of the Cinque Ports at the Coronation of the Kings and

- Queens of England and the Precedency of Hastings Port.
- Haverfield, F., F.S.A.—On a Hoard of Roman Coins found near Eastbourne in 1899.
- Johnston, P. M .- Hardham Church and its Early Paintings.
- Notes on an early Map of Atherington Manor, with some Remarks upon the Ancient Chapel attached to Bailie's Court.
- Rici, R. G., F.S.A.—A Ternier for the Vicarage of Westdean, with Bindertin annexed, 1615.
- Round, J. H .- Note on the Sussex Domesday.
- Inventories of Goods of the Smaller Monasteries and Friaries in Sussex at the time of the Dissolution.

SUSSEX RECORD SOCIETY,

LEWES CASTLE, LEWES.

Officers.—President: Duke of Norfolk, E.M. Secretary: H. Michell Whitley, The Castle, Lewes.

Meetings. - The Annual General Meeting held in March.

Membership, -- Annual Subscription, £1, 1s.; no Entry Fee.

Publication. — Vol. I. of Sussex Records (Sussex Marriages), issued to Members only.

WILTSHIRE ARCHÆOLOGICAL AND NATURAL HISTORY SOCIETY,

THE MUSEUM, DEVIZES. (FOUNDED 1853.)

Officers.—President: The Lord Bishop of Bristol. Secretaries: H. E. Medlicott, Potterne Devizes; Rev. E. H. Goddard, Clyffe Vicarage, Wootton Bassett.

Meeting. - The Annual Meeting takes place generally in July.

Membership. - Entrance Fee, 10s. 6d.; Annual Subscription, 10s. 6d.

Publications, 1901.—Wiltshire Archæological and Natural History Magazine; Wiltshire Inquisitiones Post-Mortem (Charles I.), 13s.; A Bibliography of the Great Stone Monuments of Wiltshire, Stonehenge, and Avebury, by W. J. Harrison, F.G.S., 5s. 6d.

List of Papers read July 8 and 9, 1901.

Davis, Rev. J. S.—The Tropenell Knubley, Rev. E. P.—Steeple Ashton Cartulary.

WORCESTER DIOCESAN ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY,

GUILDHALL, (FOUNDED 1854.)

Officers.—President: Earl Beauchamp, K.C.M.G. Hon. Secretaries: Rev. J. K. Floyer, F.S.A., Green Hill; Rev. G. H. Poole, Himbleton Vicarage, Droitwich.

Meetings.—The Anniversary Meeting takes place in March. There are Summer Excursions; and Winter Meetings for Papers.

Membership.—No Entrance Fee; Annual Subscription, 10s.

Publication. - Annual Report, price 2s. 6d.

Papers read during Session 1901-1902.

Beauchamp, Rt. Hon. Earl, K.C.M.G.
—The Order of the Coronation of
the Kings of England. Dec. 3.

O'Grady, Hon. Mrs.—Bishop Cobham, 1317-27: his Monument and Work in Worcester Cathedral, with an Attempt to discover which of two Effigies is his, and whether the Jesus Chapel was built by him. Mar. 11.

Robertson, Rev. D., M.A.—History of the Parish and Castle of Hartlebury. Jan. 29.

YORKSHIRE ARCHÆOLOGICAL SOCIETY,

THE OLD MEDICAL SCHOOL, 10 PARK STREET, LEEDS.

(FOUNDED 1863.)

- Officers. President: Sir T. Brooke, Bart., F.S.A. Hon. Secretary: W. Brown, F.S.A., Whitehouse, Northallerton.
- Meeting.—Council Meetings four times a year. The Anniversary Meeting is held in January.
- Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.; Composition. £7. 7s.

Publication, 1901, -Journal, Parts 63 and 64, 5s. 6d. each. (To Subscribers, 1s. each.)

SCOTLAND.

SOCIETY OF ANTIQUARIES OF SCOTLAND,

NATIONAL MUSEUM OF ANTIQUITIES, QUEEN STREET, EDIN-BURGH. (FOUNDED 1780.)

- Officers. President: The Rt. Hon. Sir Herbert Maxwell, Bart., M.P. Hon. Secretaries: D. Christison, M.D., 20 Magdala Crescent, Edinburgh, and J. H. Cunningham, 2 Ravelstone Place.
- Meetings. Second Monday in each month, from December to May inclusive, at 8 P.M., and in April and May at 4 P.M. The Anniversary Meeting takes place on St Andrew's Day, November 30.
- Membership.—Entrance Fee, 42s.; Annual Subscription, 21s.
- Publications, 1901.—Proceedings, Vol. XXXV.

Papers read during Session 1901-1902, and published in the "Proceedings," issued Annually to Fellows only.

Abercromby, The Hon. J.—History of | Christison, Dr D.—Notices of a Fort the Site and Description of the Excavation of the Roman Camp at Inchtuthil, Perthshire, undertaken by the Society in 1901. Jan. 13.

Anderson, J., LL.D.-Notices of Cists discovered at Cairnhill and Doune. May 12.

Barbour, J.—Notice of the Excavation of the Earthwork at Rispain in

Wigtownshire. Apr. 14.

Bryce, T. H., M.D.—On the Cairns of
Arran: a Record of Explorations, with an Anatomical Description of the Human Remains discovered.

Charleson, M. M.—Notice of the Excavation of a Chambered Cairn at Firth, Orkney. May 12.

Christison, Dr D. -On the Carvings and Inscriptions on the Kirkyard Monuments in the Scottish Lowlands. Feb. 10.

and Stone Circle at Wester Torrie, near Callander. Apr. 14.

Coles, F. R.—Report on the Stone Circles of the North-East of Scotland (Inverurie, Eastern Parishes, and Insch), with measured Plans and Drawings, obtained under the Gunning Fellowship. Mar. 10.

Fleming, J.—Note on a Stone-built Fort overlooking Borgadail Glen, near the Mull of Kintyre. Apr.

Grant, A.—Notices of Sepulchral Slabs at Kilianan and Kilmore, Glenurquhart. May 12.

Hutchison, A.—Notice of the Excavation of a Cairn on Greenhill, Balmerino, Fife, and the Discovery of Urns, Jet Beads, etc. May 12.

Macdonald, G.-Notes on the Hoard of Coins of the Edwards, found at Kinghornie, Stonehaven. May 12.

R. -Notes on the Macdonald, W. Heraldry of the Churchyards between Tain and Inverness. Apr.

Mann, L. M'L.-Note on the Finding of an Urn, Necklace of Jet Beads, Stone Axe, and other associated objects, in Wigtownshire. 10.

Mitchell, Sir A., K.C.B, M.D.-Jubilee Address on the Pre-History of the Scottish Area: a Review of the Work of the Society of Antiquaries of Scotland during the last

Fifty Years. Dec. 9.

Munro, R., M.A., M.D.—Notes on a
Set of Five Jet Buttons found on

a hill in Forfarshire. Mar. 10.

Murray, P.—Note on a Single-piece
Wooden Vessel found in a Peat Moss on Torr Righ Hill, Shiskin, Arran. Mar. 10.

Reid, A.—Notes on the Building known as the King's Cellar, at Limekilns. May 12.

Richardson, Dr J. T .- Notes on Prehistoric Remains and Cists discovered near Gullane. May 12.

Ross, T .- Notes on Sculptured Stones with Chariots, in Perth Museum and in the Neighbourhood of Auchterarder; and of a Sculptured Monument recently found near Camelon, and now in the National

Museum. Apr. 14.
Account of the Excavation of the Roman Station at Inchtuthil, Perthshire, undertaken by the Society of Antiquaries of Scotland in 1901: Description of the Plans.

Jan. 13.

Southesk, Rt. Hon. the Earl of. - Douglas. Percy, and the Cavers Ensign. Feb. 10.

GLASGOW ARCHÆOLOGICAL SOCIETY.

207 BATH STREET. (FOUNDED 1856.)

Officers. — President: The Very Rev. Principal Story, D.D., LL.D. Secretaries: J. Dalrymple, F.S.A. Lond. and Scot., 211 Hope Street; William George Black, F.S.A.Scot., 88 West Regent Street.

Meetings .- On the third Thursday in each month, from November to April The Annual General Meeting takes place on the third inclusive, at 8 P.M. Thursday in November.

Membership.—No Entrance Fee; Annual Subscription, 12s. 6d.

Publication, 1901.—Transactions, Vol. IV. Part 2, 6s. net.

List of Papers read during Session 1901-1902.

Black, W. G.-Merkdailly : an old Glasgow Place-Name. Jan. 16.

Bruce, J.—A Preliminary Report on

the Discovery of a Crannog near Langbank Ferry. Dec. 19.

Bryce, T. H., M.D.—The Sepulchral

Pottery of the Stone Age in Scotland and its Affinities. Mar. 20.

Brydall, R.-A Note on Drawings of Three Carved Slabs, Loch Lomond. Dec. 19.

Inscribed Mottoes, etc. on Arms and Armour. Jan. 16.
Dowden, The Right Rev. Bishop, D.D.

-The Law of Teinds, Obligations, and Dues in the Mediæval Church. Nov. 21.

Edwards, J.—The Grey Friars and their First Houses in Scotland. Feb. 20.

Macdonald, G., M.A.—Note on an Ancient Coin recently found at

Erskine. Mar. 20.

Medley, Prof., M.A.—Wayfaring Life in the Middle Ages. Apr. 17.

Whitelaw, C.E.—The Origin and Development of the Highland Dirk. Apr. 17.

Young, W., R.S.W.-A Note on M'Ure's History of Glasgow. Dec. 19.

HAWICK ARCHÆOLOGICAL SOCIETY.

BUCCLEUCH MEMORIAL BUILDINGS, BRIDGE STREET, HAWICK. (FOUNDED 1856.)

Officers.—President: James Brydon, M.D. Secretary: J. J. Vernon, 81 High Street.

Meetings. - Third Tuesday in each month, except June and July, at 8 P.M. The Anniversary Meeting takes place in January.

Membership.—Annual Subscription, 2s. 6d.: Life Composition, 21s.

- List of Papers read during Session 1901-1902, and published in the "Transactions" (issued to Members only).
- J., M.D. — Presidential Brudon. Address: Archæological Review, 1901. Jan.
- Discovery of a Cist near Denholm. Feb.
- Elliot, N., S.S.C.-Local Byeways. Sept.
- Macnee, G. F .- The Roman Wall from the Solway to the Sea. Feb.
- Miller, Rev. A., M.A.—The Presbytery Meeting: an Incident of 1637. Aug.

- Brown, J. B.—Graham of Claverhouse: | Oliver, Rev. J., M.A.—Teviothead and District. Mar.
 - District. Mar.

 Taylor, C. B.—Death and Burial Customs in China, Dec.
 - Vernon, J. J .- The Hawick Military Association: 1798-1802. Sept.
 - Watson, D. M'B .- The Wallace Tradition. Nov.
 - The Wallace Thorn. Dec.
 - Watson, G.—The Jedburgh Staff: an Old Scottish Military Weapon. Oct.
 - The Annals of Jedburgh Castle. May.

IRELAND.

THE ROYAL SOCIETY OF ANTIQUARIES OF IRELAND.

Founded in 1849 as the Kilkenny Archeological Society; Name changed to The Royal Historical and Archeological Association of Ireland in 1869, and again to the present title in 1890.)

6 STEPHEN'S GREEN, DUBLIN.

- Officers. President: Prof. Edward Perceval Wright, M.A., M.D. Hon. Secretary: R. Cochrane, F.S.A., M.R.I.A., 6 Stephen's Green, Dublin.
- Meetings.—The Annual General Meeting takes place on the last Tuesday in January at Dublin. Evening Meetings are also held in Dublin on the last Tuesday in February, March, October, and November. Meetings are held in the Provinces quarterly.
- Membership.—Fellows: Entrance Fee, £2; Annual Subscription, £1. Members. Entrance Fee, 10s.; Annual Subscription, 10s.
- List of Papers read during Session 1901-1902. Those marked * are published in the Quarterly "Journal," price 3s.
- Rathmines. * Mar. 25.
- Rathmichael, Co. Dublin, and its
- Neighbourhood.* Jan. 28.

 Berry, H. F., M.A.—Some Remarks
 on a Notice, in Revue Celtique, of Maurice O'Gibellan, a Fourteenth-century Canonist, in connection with his Knowledge of Ogam.* Mar. 25. Burtchaell, G. D., M.A.—Fitz Geralds of Brownsford.* Jan. 28.
- Ball, F. E., M.R.I.A.—The Battle of | Cochrane, R., F.S.A.—On some Monuments and Inscriptions in Bath relating to Irish persons.*
 - G., M.R.I.A.—A Pair of Brooches and Chains of the Viking Period recently found in Ireland. * Feb. 25.
 Esmond, Sir T. H. G.—Archæological
 - Finds in North Wexford.*
 - french, Rev. Canon, M.R.I.A.—Notes on Three Bone Pins found at the

of Ballinderry bottom Lake. County Westmeath.

Westmeath.* Jan. 28.
R., J.P. — A further Communication on the Origin of the Grace Family of Courtstown,

Co. Kilkenny.* Jan. 28.

Lawlor, Rev. Prof., D.D.—Archbishop
King's Diary kept during his
Imprisonment in Dublin Castle, August 13th, 1689, to November 22nd, 1689. Jan. 28.

O'Reilly, P. J.—The Coronation Stone

at Westminster, and the Lia Fail at Tara.* Mar. 25.

Rotheram, E. C.—On Stone Age Settlements in Meath.* Mar. 25.

Scott, W. R., D.Phil.—Two Early Irish Linen Companies.* (1690-

1711.) Oct. 1.
Shackleton, Mrs.—An Exhibition of Lantern Slides, illustrating the Society's Excursions in the Counties of Clare and Galway. * Jan. 28.

Westropp, T. J., M.A.—Slane, Co. Meath.* Oct. 1.

IRISH ARCHÆOLOGICAL AND CELTIC SOCIETY.-HISTORIC LITERATURE OF IRELAND.

Officer. The Secretary, Lady Gilbert, Villa Nova, Blackrock, Dublin, to whom all communications should be addressed.

Publications.—HISTORIC LITERATURE OF IRELAND. In this series are printed Original, Contemporary Documents, Letters, and Personal Narratives in relation to Ireland and Irish Affairs from Authentic Manuscripts in English, Irish, and Continental Archives. These writings supply important and interesting details not to be found in works hitherto published. The books are printed in limited numbers. Eleven volumes in quarto, with illustrations, have already been issued.

COLLEGE HISTORICAL SOCIETY, DUBLIN.

(Founded by Edmund Burke.)

TRINITY COLLEGE.

Officers. - President: Rt. Hon. Lord Ashbourne, Lord Chancellor of Ireland. Auditor: J. E. Walsh, B.A. Secretary: G. O'Grady, 5 Trinity College.

Meetings.—Every Wednesday, from November to June, at 8 P.M., during the Session, in the Regent House, 5 Trinity College. The Annual Meeting is in November.

Membership.—No Entrance Fee; Annual Subscription, 21s.

[No Return.]

ASSOCIATION FOR THE PRESERVATION OF THE MEMORIALS OF THE DEAD IN IRELAND.

(FOUNDED 1888.)

Officers.—Committee: Col. P. D. Vigors, F.R.S.A.I., Holloden, Bagenals Town, Co. Carlow; Lord Walter Fitzgerald, F.R.S.A.I.; Canon ffrench; Rev. H. R. Huband. Secretary and Editor: E. R. M'C. Dix. 17 Kildare Street. Dublin.

Meeting.—The Anniversary Meeting is held in January.

Membership.—No Entrance Fee; Annual Subscription, 5s.

Publication during 1901.—The Annual Volume, price 10s.

THE COUNTY KILDARE ARCHÆOLOGICAL SOCIETY.

44 WELLINGTON ROAD, DUBLIN. (Founded 1891.)

Officers.—President: The Earl of Mayo. Hon. Secretaries: Sir Arthur Vicars Ulster, C.V.O., F.S.A., 44 Wellington Road, Dublin; Lord Walter Fitz-Gerald, M.R.I.A., Kilkea Castle, Maganey, Co. Kildare. Hon. Editor: Rev. Canon Sherlock, Sherlockstown, Naas. Hon. Treasurer: H. Hendrick-Aylmer, Kerdiffstown, Sallins. Hon. Auditor: A. Warnington, Naas.

Meetings.—The Anniversary Meeting takes place in January. The Excursion Meeting is held in September. Other Meetings are held occasionally for reading Papers.

Membership.—No Entrance Fee; Annual Subscription, 10s.

List of Principal Papers published in the "Journal," Vol. III. No. 5 (1901), and No. 6 (1902).

Devitt, Rev. M., S.J.—The Rampart of the Pale.

FitzGerald, Lord W.—New Abbey of Kilcullen.

—— Ballymore Eustace and its Neighbouring Antiquities.

Greene, Miss.—County Kildare Folk-Tales.

Hendrick-Alymer, Mrs H.—Rathmore. O'Leary, Rev. E., P.P.—Notes on the

Collection of Irish Antiquities lately at Edenderry.

"Omurethi."—Castlemartin.
Sherlock, Rev. Canon.—The Original

Sherlock, Rev. Canon.—The Original Anglo-Norman Settlers in County Kildare.

Vicars, Sir A.—Notes on Grange Con, Co. Wicklow.

Wolfe, G.—The Wolfe Family of County Kildare.

SECTION XIV.

MEDICINE.

LONDON.

LOCAL GOVERNMENT BOARD,

WHITEHALL, S.W.

- Officers.—President: Right Hon. Walter H. Long, M.P. Parliamentary Secretary: G. W. Lawson, M.P. Permanent Secretary: Sir S. B. Provis, K.C.B. Legal Adviser: A. D. Adrian, C.B.
- Medical Officer: W. H. Power, F.R.S., F.R.C.S. Assistant Medical Officer and Medical Inspector for General Sanitary Purposes: H. Franklin Parsons, M.D. Second Assistant Medical Officer: R. Bruce Low, M.D. Medical Inspectors: R. Deane Sweeting, M.B.; Theodore Thomson, M.D.; S. Monckton Copeman, M.D.; W. W. E. Fletcher, M.B.; H. Timbrell Bulstrode, M.D.; A. Royle, C.B., M.R.C.S.; R. J. Reece, M.D.; George S. Buchanan, M.D.; S. W. Wheaton, M.D.; F. St George Mivart, M.D.; E. Petronell Manby, M.D.
- Alkali, &c., Works Inspectors-Chief Inspector: R. F. Carpenter, F.C.S., F.I.C.

MEDICAL DEPARTMENT.

THE MEDICAL DEPARTMENT OF H.M. LOCAL GOVERNMENT BOARD issues an annual volume by way of supplement to the Board's Report. It habitually contains (1) a number of papers relating to the administrative business of the department, both with local sanitary workers and the general public; (2) the results of comprehensive studies by medical inspectors into larger questions of medical and sanitary interest; and (3) reports on "auxiliary scientific investigations" made by distinguished bacteriologists, chemists, pathologists, and others in aid of the work of the department.

THE MEDICAL SOCIETY OF LONDON,

11 CHANDOS STREET, CAVENDISH SQUARE. (FOUNDED 1773.)

- Officers.—President: W. H. Allchin, M.D. Treasurer: D. H. Goodsall, F.R.C.S. Hon. Secretaries: A. F. Voelcker, M.D.; Jon. Hutchinson, jun., F.R.C.S. Registrar and Res. Librarian: W. R. Hall.
- Meetings.—On the second and fourth Mondays, from the second Monday in October to the second Monday in May, at 8.30 P.M. The Annual Meeting takes place in March.
- Membership.—Entrance Fee: for Town Members, 21s.; for Country Members, 10s. 6d. Annual Subscription: for Town Members, 21s.; for Country Members, 10s. 6d.

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- Publication during 1901. Transactions, Vol. XXIV., price 10s. (November 1901).
- Papers read during Session October 1901 to May 1902, and published in "Transactions," Vol. XXV. (November 1902).
- Allchin, Dr W. H.—The Responsibility of the Organism in Disease. Oct. 14, 1901.
- Anderson, Dr J.—The Remote Effects of Tropical Life on Europeans. Dec. 9, 1901.
- Brunton, Sir Lauder, M.D. The Nature and Treatment of Obesity. Jan. 27, 1902.
- Crombie, Dr A.—The Physical Disabilities for Tropical Life. Dec. 9, 1901.
- Elliott, Dr A., and Dr J. W. Washbourn .- Typhoid Fever in South Africa. Oct. 28, 1901.
- Gould, A. P.—Certain Diseases of the Vessels. Blood (Lettsomian Feb 17 and Mar. 3 Lectures.) and 17, 1902.
- Herman, Dr G. E.—Certain Points in the Treatment of Puerperal
- Eclampsia. Mar. 24, 1902.

 Lelean, P. S.—A Series of Cases of Bilharzia. Apr. 28, 1902.

 Mackenzie, Dr S.—The Powers of Natural Resistance, or the Personal Factor in Diseases of Microbic Origin. May 26, 1902.
- Manson, Dr P.—The Diagnosis of

- Malaria from the Standpoint of the Practitioner in England. May 12,
- Morris, H .- The Symptoms and Treatment of Movable Kidney. Nov. 25, 1901.
- Moullin, C. M.—Three Cases of Gastrotomy for Recent Gastric Ulcer. Mar. 10, 1902.
- Robson, Mayo. Observations on the Radical Treatment of Obstructive Jaundice, resulting from an Experience of over 200 Operations. Jan. 13, 1902.
- Rolleston, Dr H. D.-A Note on Hypostatic Albuminuria of Splenic
- Origin. Feb. 24, 1902.
 Sheild, A. M.—A Series of Cases of External Operations on the Larynx. Mar. 10, 1902.
- Skerritt, Dr M.—On Cardiac Pain. Feb. 24, 1902. Tubby, A. H.—The Quiescent or Latent
- Period in the Course of Grave Abdominal Inflammation. Apr. 28, 1902.
- Washbourn, Dr J. W.—See "Elliott, Dr A."

ROYAL MEDICAL AND CHIRURGICAL SOCIETY.

20 HANOVER SQUARE, W. (Founded 1805; Chartered 1834.)

- Officers. President: A. Willett. Hon. Secretaries: Clinton Dent, F.R.C.S.; and Newton Pitt, M.D.
- Meetings.—Fortnightly, from the fourth Tuesday in October to the second Tuesday in June, at 8.30 P.M.
- Membership.—Entrance Fee, £6, 6s.; Annual Subscription: for Resident Fellows, £3, 3s.; for Non-Resident Fellows, £1, 1s.

List of Papers read from January 1901 to June 1902.

- Discussion on Modern Methods of Bryant, T. Intestinal Obstruction Vaccination and their Scientific Basis, opened by Dr S. M. Cope-Dec. 10; continued Jan. man. 14 and 28.
- The Regeneration of Peripheral Nerves, opened by C. A. Ballance and Dr J. P. Stewart. Feb. 25; continued Mar. 11.
- Bryant, T .- Cases of Cancer of the Breast which survived Operation from five to thirty-five years. May
- from Pressure of a Vesical Sacculus. Nov. 26.
- Ewart, Dr W., and A. S. Morley.— Cases of Malignant Endocarditis. Apr. 22.
- Garrod, Dr A. E. - Alkaptonuria. Nov. 26.
- Heath, C.-Ligature of the Carotid for Aneurysm of the Aorta. Feb.
- Keetley, C. B. -Treatment of Ulceration of Stomach and Esophagus due to

Swallowing Strong Hydrochloric Acid. Nov. 12. Poynton, Dr F. J., and Dr A. Paine. —Malignant Endocarditis. Apr.

Robson, M.—Surgical Treatment of Obstruction in the Common Bile

Ducts by Concretions. Mar. 25.

Thomson, Dr C.—Acute Dilatation of the Stomach. Oct. 22.

Tonkin, Dr T. J.—Etiology of Leprosy in the Soudan. May 27 and June

BRITISH MEDICAL ASSOCIATION.

429 STRAND, W.C. (FOUNDED 1832.)

Officers (1902-1903).—President: Walter Whitehead, F.F.C.S., Edin., F.R.S.E. President-Elect: Thomas Dryslwyn Griffiths, M.D.; M.R.C.S. President of the Council: Andrew Clark, F.R.C.S. Treasurer: E. Markham Skerritt, M.D., F.R.C.P. Editor of the "British Medical Journal": Dawson Williams, M.D. General Secretary: Francis Fowke (resigned); Guy Elliston (elected 1902).

Branches of the Association.—Aberdeen, Banff and Kincardine—J. S. Riddell, M.B., and H. M. W. Gray, M.B., Aberdeen; Bath and Bristol-J. M. Clarke, M.D., Bristol, and W. M. Beaumont, Bath; Birmingham and Midland Counties -W. F. Haslam, M.R.C.S., and J. J. T. Morrison; Border Counties-W, F. Farquharson, M.D., Carlisle; Cambridge and Huntingdon-F. E. A. Webb; Cork and South of Ireland-P. G. Lee, M.D., Cork; Dorset and West Hants-W. G. V. Lush, M.D., Weymouth, and C. H. W. Parkinson, Wimborne Minster; Dublin-Prof. A. H. White; Dundee District-R. C. Buist, M.D., Dundee; East Anglian-B. H. Nicholson, M.B., Colchester; East York and North Lincoln-E. M. Hainworth, M.D., Hull; Edinburgh-J. W. B. Hodsdon, F.R.C.S., Edinburgh; Glasgow and West of Scotland-J. H. Nicoll and J. Hamilton, M.B., Glasgow; Gloucestershire-W. Wilshaw Grosvenor, M.B., Gloucester; Lancashire and Cheshire-T. A. Helme, M.D., Manchester; Londonderry and N. W. of Ireland-E. Donaldson, Londonderry; Metropolitan Counties-H. B. Robinson, M.S., and J. W. Washbourn, M.D.; Midland - F. M. Pope, M.B., Leicester; North of England-T. Beattie, M.D., Newcastle-on-Tyne; North of Ireland-G. Gray, M.D., Newcastle Co. Down; North Wales-W. Jones Morris, Portmadoc, and H. Jone Roberts, Pen-y-Groes; Northern Counties of Scotland-Dr J. Munro Moir M.D.; Oxford and District—W. Collier, M.D., Oxford; Perthshire—A. R. Urquhart, M.D., Perth; Reading and Upper Thames-H. H. Phillips-Conn. M.D., Reading; Shropshire and Mid Wales-H. H. B. Macleod, L. J. Godson Shrewsbury; South-Eastern-T. J. Verrall, L.R.C.P., Brighton; South-East of Ireland-J. C. L. Stawell, M.B., Bagnalstown; South Midland-E. Harries-Jones, M.D.; South Wales and Monmouthshire-A. Sheen, M.D., Cardiff, and D. A. Davies, M.B., Swansea; South-Western-G. Y. Eales, L.R.C.P., Torquay; Southern-H. J. Manning, Laverstock; Staffordshire-G. Petgrave-Johnson, M.D.; Stirling, Kinross, and Clackmannan-J. E. Moorhouse, M.D. Stirling; Thames Valley-R. L. Langdon-Down, M.B., Hampton Wick; West Somerset—W. B. Winckworth; Worcestershire and Herefordshire—G. W. Crowe, M.D., Worcester, and E. W. Du Buisson; Yorkshire-A. Bronner, M.D., Bradford.

Colonial Branches.—Adelaide and South Australia—J. B. Gunson, M.B., Adelaide; Barbados — E. H. Bannister, M.B., Bridgeton; Bermuda — E. Harvey, M.D., Bermuda; Bombay—Major H. P. Dimmock, I.M.S., Bombay; Brisbane and Queensland—F. G. Connolly, Brisbane; British Guiana—Q. B. de

BRITISH MEDICAL ASSOCIATION—continued.

Freitas, M.D.; Burmah—Capt. C. Duer, M.B., I.M.S., Rangoon; Cape of Good Hope—D. J. Wood, M.D., Cape Town, and J. Paterson, M.B.; Colombo, Ceylon—A. J. Chalmers, M.D.; Deccan—Capt. C. H. L. Palk, M.B.; Gibraltar—J. Abrines, Gibraltar; Grahamstown and Eastern Province—J. T. Bays, M.D., Grahamstown; Griqualand West—R. D. Booth, M.B., Kimberley; Halifax, Nova Scotia—C. D. Murray, M.B.; Hong Kong and China—F. W. Clarke, M.D.; Jamaica—G. F. da Costa, M.B., Kingston; Leeward Isles—G. E. Pierez, M.D., Antigua; Malaya—E. W. von Tunzelmann, M.B., Singapore; Malta and Mediterranean—T. Zammit, M.D.; Melbourne and Victoria—W. Kent Hughes, M.B., Melbourne; Montreal—John A. Springle, M.D., Montreal; Natal—R. M. Smyth; New Zealand—Graham Campbell, M.B., Christchurch; Ottawa—C. P. Dewar, M.D., Ottawa; Quebec—A. Marois, M.D., Quebec; South Indian and Madras—C. B. Ramarao, M.D.; Sydney and New South Wales—G. T. Hankins, Sydney; Toronto—W. B. Thistle, M.D., Toronto; Trinidad and Tobago—E. Prada, Port of Spain; West Australia—J. Thompson, M.D.

The 70th Annual Meeting was held at Manchester July 29 to August 1, 1902. The 71st Meeting will be held in 1903 at Swansea.

Addresses and Reports at the Manchester (1902) Meeting.

The President's Address: "Manchester's Early Influence on the Advancement of Medicine and Medical Education."

Address in Medicine: "The Study of the Natural History of Disease the Basis of all Advance in its Treatment." By Sir Thomas Barlow, K.C.V.O., M.D.

Address in Obstetrics: "Carcinoma in Women, chiefly in its Clinical Aspects." By Prof. W. J. Sinclair, M.D.

Report of Council.

Report of Parliamentary Bills Committee.

Report of the Scientific Grants Committee.

Report of Committee for Legislation on Inebriates.

Report of Therapeutic Committee.

Report of Medical Charities Committee.

Report of the General Practitioners' and Ethical Committee.

Report of Special Chloroform Committee.

Report of Joint Committee on Medical Witnesses' Fees.

Report of Crown Colonies Protectorates Medical Services Committee.

List of Papers communicated to the Sections at the Seventieth Annual Meeting held at Manchester July 29 to August 1, 1902.

Section A. Medicine.

Officers.—President: Prof. Julius Dreschfeld, M.D. Hon. Secretaries: Arthur Thomas Wilkinson, M.D.; William Calwell, M.D.; Edward Mansfield Brockbank, M.D.

Discussion on the Causes, Diagnosis, and Principles of Treatment of Dilatation of the Stomach, opened by Professor Clifford Allbutt.

— The Differential Diagnosis of Functional and Organic Paralysis, opened by Dr Buzzard.

Banks, Sir W. M., F.R.C.S.—A Suc-

cessful Case of Gastroplication for Dilated Stomach.

Bardswell, N., M.B.—Dietetics in Pulmonary Tuberculosis.

Bradshaw, T. R., M.D.—Myelopathic Albumosuria.

Campbell, H., M.D.—Overlooked Cases of Graves's Disease.

British Medical Association—continued. (Manchester, 1902.)

Chowry-Müthü, D. J., M.D., M.R.C.S. -Some Observations on, and the Results of the Treatment of, 100 Cases of Phthisis by the Open-Air Method.

Drummond, D., M.D.—Some Practical Remarks on the Diagnosis of Heart

Gilchrist, A. W., M.D.—On the Use of "Urinary Graphs."
Gilford H., F.R.C.S.—Infantilism and

Senilism, with Demonstration of Cases and Photographs.

Grünbaum, O., B.C.—A Case of Recovery from Membranous Gastritis.

Haddon, J., M.D.—The Uric Acid Myth.

Haig, A., M.D.—The Prominent Eye:

its Meaning and Clinical Associations.

Mantle, A., M.D.—Vasomotor Disturbances of Stomach and Bowel.

Noorden, Prof. V .- The Treatment of Chronic Bright's Disease.

Poynton, F. J., M.D., and A. Paine, M.D.—Observations upon certain Forms of Arthritis, with Lantern

Raw, N., M.D.—Results of Treatment of Consumption in Liverpool during the last Four Years.

Sandwith, F. M., M.D.—The Earliest known Physician, with a Portrait from his Tomb.

Schofield, A. T., M.D.—The Mental Factor in Medicine.

Section B. Surgery.

Officers. - President: James Hardie, F.R.C.S. Hon. Secretaries: Henry Alexis Thomson, F.R.C.S.E.; Herbert Lund, F.R.C.S.; John Edward Platt, F.R.C.S.

Discussion on the Treatment of Inoperable Cancer, opened by Mr Henry

Morris, F.R.C.S.
The Treatment of Tuberculous Disease of the Testis, Vesiculæ Seminales, Prostate, and Bladder, opened by Professor Thomas Myles, M.D., F.R.C.S.

Alexander, Prof. S.—Surgical Anatomy of the Prostate, with Reference to Prostatectomy during the past Sixteen Years

Bishop, E. S., F.R.C.S.—Methods of Uniting Divided Intestine, with Special Reference to a New Bone Bobbin for that Purpose.

Brook, Wm. F., F.R.C.S. (Swansea). -Complete Disappearance of Mammary Cancer under X-Ray Treatment.

Bryant, T., F.R.C.S.—The Influence of the X-Rays in the Treatment of Inoperable Cancer.

Bush, J. P., M.R.C.S., C.M.G.—The Treatment of Deformities of the Face by the Subcutaneous Injection of Paraffin.

Cripps, H., F.R.C.S.—Results of Operative Treatment in 500 Cases of Rectal Cancer.

M.B.—Gastro-enter-Dalziel, T. K.. ostomy for Simple Pyloric Obstruc-

Downie, J. W., M.B.—Injection of Paraffin in Nasal Deformities.

Eccles, W. M. A., F.R.C.S.—The Value of the Imperfectly Descended Testicle.

Edebohls, G. M., M.D.—Renal Decapsulation versus Nephrotomy.

H., F.R.C.S. — One Fenwick, E. Hundred Nephrolithotomies, with five Deaths.

Freyer, P. J., M.Ch.—Total Extirpation of the Prostate for Radical Cure of Enlargement of that Organ.

Gilford, H., F.R.C.S.—Three Cases of Hour-Glass Contraction of the

Stomach treated by Operation. Greer, W. J., F.R.C.S.I.—The After-History of Six Cases of Gastro-jejunostomy for Non-Malignant Disease.

Harrisson, D., F.R.C.S.E. - Some Selected Cases of Brain Surgery. Jones, R., F.R.C.S.—Several Cases of

Gastric Ulceration operated upon. Longridge, C. T. N., M.D. Vict.—The Value of Blood Counts in the Diagnosis of Abdominal Disease.

M'Feely, J. D., F.R.C.S.I.-Rodent Ulcer.

Morison, J. R., F.R.C S.—An Operation for the Removal of Gall-stones

from the Common Duct, etc.

Moynihan, B. G. A., F.R.C.S.—A
Series of Cases Illustrating the Complications of Gall-Stone Surgery.

Murray, B. W., F.R.C.S.—Ultimate Results of a Series of 70 Cases of Fracture of the Tibia and Fibula.

 Intestinal Anastomosis for Prolapsed Small Intestine with Arti-

ficial Anus of two years' standing.

Newman, D., M.D.—The Treatment of
Chronic Cystitis.

Nicoll, J. H., M.B.—The Radical Cure of Femoral Hernia. Owen, E., F.R.C.S.—Two Cases of

Chronic Pancreatitis treated by Laparotomy.

Parker, R., F.R.C.S.—Experience in the Extirpation of Tuberculous Lymph Glands during the last 30 years, comprising over 300 Opera-

Pearson, C. Y., F.R.C.S.—Some Cases of Trans-sacral Prostatectomy with End-to-end Anastomosis of the Lower Ends of the Rectum.

Robson, A. W. M., F.R.C.S.—Almost

Complete Gastrectomy for Sarcoma.

A Case of Complete Extirpation of the Urinary Bladder.

Rodocanachi, A. J., M.D.—Radical Cure of Hernia.

Senn, Prof. N.—The Treatment of Gunshot Wounds of the Stomach by

the Purse-string Suture.

Syms, Parker. — Perineal Prostatectomy.

Thomas, J. L., F.R.C.S.—Two Cases of Urethrectomy.

 Modified Vulliet's Nephropexy Simplified by means of a Swivel Tenotome.

Valentine, Prof. F.—The Diagnosis of Urethral Disease.

Whitelocke, R. H.A., F.R.C.S.—Case of Prolapse of the Rectum Cured by Unilateral Oöphorectomy Ventrifixation of Uterus.

Section C. Obstetrics and Gynecology.

- Officers.-President: David Lloyd Roberts, M.D. Hon. Secretaries: Thomas Arthur Helme, M.D.; Arnold Wm. Warrington Lea, M.D.; Wh. Edward Fothergill, M.D.
- Discussion on the Modern Indications for Cæsarean Section, opened by Dr Galabin.
- The Operative Treatment of Prolapsus Uteri, opened by Dr Berry Hart.
- Bell, R., M.D.—Carcinoma: its Pathogenesis and Treatment without Operation.
- Bishop, E. S., F.R.C.S.—Operative Methods in Vesico-Vaginal Fistula. F.R.C.S.—Operative
- Cameron, Prof. M .- Remarks on Fifty Cæsarean Sections.
- · Treatment of Fibroids Past and Present.
- Curatulo, Prof.—Phototherapeutics as a new Therapeutical Agent in Ob-stetrics and Diseases of Women.
- Special Treatment in Cases of Diseases peculiar to Women in conjunction with the Muriated Iodobromine Waters of Salsomaggiore (Italy).
- Hall, F. J. V., M.B.—The Utility and Action of Cocaine in Parturition.
- Harrison, G. T., M.D.—Remarks on the Etiology, Diagnosis, and Treatment of Ectopic Gestation.
- Jardine, R., M.D.—The Use of Potassium Chlorate in Habitual Death of the Fetus in the later Months of Pregnancy.
- Kerr, J. M., M.D.—Some experiences of Fritsch's Fundal Incision in Cæsarean Section.

- M'Cann, F. J., M.D.-Vaginal Fixation.
- Marshall, C. R., M.D.—The Abuse of Mercuric Chloride Solutions in Obstetric Practice.
- Morison, A. E., M.D.—Two Cases of Tait-Porro Operation.
- · Cæsarean Section in a Case of Eclampsia.
- Hysterectomy for Rupture of the Uterus. Nairne, J. S., F.R.C.S.—So-called
- Neurasthenia, Hysteria, Abdominal Section.

 Nicholson, H. O., M.D.—Puerperal
- Eclampsia in the Light of Thyroid Inadequacy and its Treatment by Thyroid Extract.
- Oliver, J., M.D., F.R.S.E. A Study of Fertilisation with reference to the Occurrence of Ectopic Gestation.
- Parry, R. H., F.R.C.S.E.-Porro-Cæsarean Operation at Full Term, with Recovery of Mother.
- Purslow, C. E. -. Note of a Case of Persistence of the Uro-genital Sinus.
- Spencer, H. R., M.D.—Total Ab-dominal Hysterectomy (especially by Doyen's Method) for Myoma Úteri.
- Whitelocke, R. H. A., M.B.—Case of Intermenstrual Pain (Mittelschmerz) Cured by Two Successive Oophorectomies.

Section D. Public Medicine.

Officers.—President: James Niven, M.B. Hon. Secretaries: Thomas Walter Harrop Garstang, D.P.H.; W. H. Hamer, M.D.; George Newman, M.D.

Discussion on the Precise Part played by Vaccination as carried out in this country in Preventing the Spread of Small-pox, and the Means by which we may hope to secure the Maximum Advantage from Vaccination, opened by Dr Норе.

What is the Precise Etiology of "Return Cases" of Scarlet Fever, and how may they be prevented from occurring? Do they materially affect the Usefulness of Isolation Hospitals? Opened by Dr Mervyn Gordon.

By what General Scheme of Action. including Administrative Measures. can the Prevention of Tuberculosis be most efficiently advanced? opened by Dr Robertson.

Discussion on the Relation of Poverty to Disease, opened by Alderman Macdougall.

· The Outbreak of Arsenical Poisoning, opened by Dr C. H. Tatter-sall.

Brown, W., M.D.—The Lesions of Bovine Tuberculosis.

Farrar, R., M.D.—Plague as a Soil Infection.

Rhodes, J. M., M.D.-Infantile Mortality.

Young, M., M.D.—The Further Control of Common Lodging Houses.

Section E. Psychological Medicine.

Officers.—President: George Wm. Mould, M.R.C.S. Hon. Secretaries: John Sutcliffe, M.R.C.S.; Ernest Septimus Reynolds, M.D.

Discussion on the Treatment and Care of Persons in the Early Stages of Unsoundness of Mind, opened by Sir John Sibbald, M.D.

- The Relation of Functional Neuroses (Hysteria, Neurasthenia, Hypochrondriasis, etc.) to Insanity, opened by Dr T. Clifford Allbutt.

- Syphilis as a Cause of Insanity,

opened by Dr Fred. W. Mott.

Bond, C. H., M.D. — The Hospital

Treatment of the Insane, as carried

out at the London County Asylum, Bexley, with some Notes as to the Value of Villas for the Housing of Convalescing and quiet Chronic Patients.

Jones, R., F.R.C.S.—Apprehensiveness, Stupor, and Katatonia.

Mercier, C., F.R.C.S. — A Practical Classification of Insanity.

Oldfield, J., M.R.C.S., D.C.L.—Mental Responsibility in Relation to Capital Crimes.

Section F. Physiology and Anatomy.

Officers. - President: Prof. Wm. Stirling, M.D., F.R.S.E. Hon. Secretaries: James Ackworth Menzies, M.D.; Peter Thompson, M.D.

Discussion on the Development of the | May, Genito-urinary Organs, opened by Dr D. Berry Hart, F.R.C.P.E., F.R.S.E.

- Intestinal Secretion and the Action of Drugs thereon, opened by Mr J. S. Edkins, M.B.

— The Motor Cortex as exemplified in the Anthropoid Apes, opened by Professor C. S. Sherrington.

Anderson, R. G., M.D.—Occipital Con-

dyles.

Bainbridge, F. A., M.B.—The Relation of Metabolism to Lymph Formation. Copeman, S. M., M.D.—Experiments on Sex Determination.

Edridge-Green, F. W., M.D. — The Origin of a Visual Impulse.

ments and Innervation of the Stomach.

Paterson, A. M., M.D. - A Microscopical Demonstration.

Querton, Dr L. - Phénomènes électriques qui accompagnent l'oxydation de l'acide oxalique produite par la lumière.

Ramsden, W., M.B.—Some new Properties of Urea.

Robinson, Prof. A., M.D.—Case of Absence of the Middle Finger of the Right Hand, with History.

Stewart, G. N., M.B.—The Action of certain Hæmolytic Agents on Nucleated Blood Corpuscles.

Stirling, Prof. W., M.D.—(1) Par-Symington, Prof. J., M.D.—On the turition in the Guinea-pig. (2) Topographical Relations of the turition in the Guinea-pig. (2) Reduction of Copper Solutions at ordinary Temperatures. (3) Oxydases.

Optic Radiation. Exhibition of a Series of Photographs of the Human Brain.

Section G. Pathology.

Officers.—President: Prof. Sheridan Delépine, M.B. Hon. Secretaries: Frederick Craven Moore, M.D.; Edward John Sidebotham, M.B.

Discussion on the Pathology of Nerve Degeneration, opened by F. W. Mott, M.D., F.R.S.

Bacteriological Place of Diagnosis in Medicine, opened by Prof. Sims Woodhead.

- The Relationship of Human and Bovine Tuberculosis, opened by Prof. D. J. Hamilton.

The Pathology of Foetal Bone Disease, opened by Dr J. W. Ballantyne.

Eastes, G. L., M.B.—The Multiplicity of the Meningococcus.

Eddowes, A., M.D.—Carcino-sarcoma of the Skin.

Firth, Prof. R. H., R.A.M.C., and Major W. H. Horrocks, R.A.M.C.

—The Viability of the Enteric Soils Bacillus in and Fabrics.

Fisher, T., M.D.—A Case of Rheumatic Myocarditis.

- A Case of Thrombosis of the Cere-

bral Veius and Sinuses complicating Broncho-pneumonia.

Hall, I. W., M.D.—The Relation of Purin Bodies to certain Metabolic Disorders.

Harley, Prof. V., M.D.-Low Proteid Metabolism.

Mantle, A., M.D.—A case of unusually

large Angioma of Liver.

Monsarrat, K., F.R.C.S., and W. B. Warrington, M.D.—Arrested Development of the Olivo-Pontine Cerebellar Complex, accompanied by Spina Bifida and other Developmental Peculiarities.

Savage, W. G., M.D. - Leucocyte Enumeration for Routine Clinical Work.

The Influence of Culture Medium on the Degree of Agglutinative Power.

Warrington, W. В., M.D.—The Anatomy of the Nervous System in a Case of African Lethargy.

Section H. Ophthalmology.

Officers. — President: David Little, M.D. Hon. Secretaries: Alex. Hill Griffith, M.D.; Edward Roberts, M.R.C.S.; John Gray Clegg, M.D.

Discussion on the Treatment of Sclerokeratitis, opened by Dr Arthur W. Sandford.

- Functional Derangements of the Eye (so-called Hysterical), opened by Mr. R. Marcus Gunn, F.R.C.S.

The Rarer Forms of Atrophy of the Optic Nerve, opened by Dr

James Taylor.

Resolution.—"That in the Opinion of this Section, the employment of the Holmgren Test for Colour Blindness by the Board of Trade is most unsatisfactory, as the inefficient character of this test is now well

known," proposed by Dr E. Green. Bronner, A., M.D.—Notes on 40 Cases of High Myopia in which the Lens was Removed.

Clarke, E., M.D.—An Improved Method of Enucleation of Eye-Ball.

Grossman, K., M. D. - Ivory Exostosis of Orbits Operated upon and Observed during 18 years, with Demonstration of Patient.

G., Hartridge, F.R.C.S. — Visual Efficiency after Eye Injuries.

Hern, J., M.D.—Cases of Sympathetic Ophthalmia following Extraction

of Cataract.

Jessop, W. H. H., F.R.C.S.—Glioma

Simulating Hypopyon.

Lee, C. G., M.R.C.S.—Cases of Monocular Neuritis.

Lodge, S., M.D.—New Vasomotor Disturbances of the Eve.

M'Keown, D., M.D. — Treatment of Congenitally - displaced Transparent Lenses.

Notes of a Case of Chronic Rodent Ulcer of the Cornea.

Menzies, J. A., M.D.—Detachment of Corneal Epithelium.

Parsons, J. H., F.R.C.S.—Lesions of the Retina. Snell, S., F.R.C.S.—On a Method of

cleation.

Widmark, Dr J. - On the Etiology of Myopia.

Suturing the Tendons after Enu- | Wray, C., M.R.C S.—Civilisation and Myopia.

Yarr, M. T., Major, R.A.M.C.-Indirect Gunshot Injuries of the Eye.

Section I. Diseases of Children.

Officers. - President: Henry Ashby, M.D. Hon. Secretaries: Richard Walter Marsden, M.D.; James Stewart Fowler, M.D.; John Howson Ray, F.R.C.S.

Discussion on the Modification of Milk in the Feeding of Infants, opened by Professor T. M. Rotch.

The Surgery of those Affections of the Central Nervous System which occur more especially in Children, opened by Mr Harold J. Stiles, F.R.C.S.E. - The Value of Physical Exercises

in Diseases of the Respiratory Tract, opened by Mr Wm.

Arbuthnot Lane, F.R.C.S.

Baginsky, Prof. A.—Tetany and Spasm of the Glottis in Children.

Ballantyne, J. W., M.D.—Foetal Bone Disease.

Dr. — The Treatment of Eichholz, Mentally-feeble Children.

Fisher, T., M.D —Congenital Nystag-

occurring in Father and mus Child.

Fowler, J. S., M.D.-The Anæmias of Infancy.

Jones, R., F.R.C.S. — A Note on a New Operation for Flail Paralytic F.R.C.S. — A Note on a

The Surgical Treatment of Spastic Paraplegia.

Melland, C. H., M.D.—The Anæmias of Infancy.

Rabagliati, A., M. D. —A Case of Tuberculous Disease of the Kneejoint in a Child, 4 years old,

Cured by Monositeism
Thomson, J., M.D.—On Defective Coordination as a Probable Factor in the Causation of certain Congenital Malformations.

Section J. Laryngology.

Officers. -- President: Alexander Hodgkinson, M.B. Hon. Secretaries: Eugene Stephen Yonge, M.D.; Charles J. Heath, F.R.C.S.

Discussion on the Diagnosis and Treatment of Foreign Bodies in the Upper Air Passages and Gullet,

opened by Prof. Killian.

The Ultimate Results of Radical Operations on the Maxillary and Frontal Sinuses, opened by Dr Lermoyez.

Lermoyez.

(With the Section of Otology).

The Etiology and Treatment The Etiology of Ethmoidal and Sphenoidal Suppuration, opened by Grünwald.

Grant, D., M.D.-A Modification of Moure's Operation for Deflected Septum.

Grünwald, L., M.D.—On the Present State of the Ozena Question.

Haring, N. C., M.B.—The Correlation of Diagnosis and Treatment in Chronic Laryngitis.

Kelly, A. B., M.B.—Bromide of Ethyl

Anæsthesia in Operations in the Throat.

Law, E., M.D.-A Case of Excrescences, Incrustations, or Chalky Deposits low down in the Trachea.

MacDonald, G., M.D.—The Operative
Cure of Laryngeal Papilloma.

Pegler, L. H., M.D.—Moure's Opera-

tion for Deflected Septum. Functional Abeyance of Nasal Breathing in the Absence of Nasal Obstruction.

Santi, P. de, F.R.C.S.—A Case of Malignant Disease of the Larynx, with Remarks on Glandular Infection.

Spicer, S., M.D.-Paraffin Wax Injections in the Treatment of Saddle-Nose.

Thomson, St C., M.D. — The Use and the Abuse of the Galvano-Cautery.

Section K. Otology.

Officers.—President: William Milligan, M.D. Hon. Secretaries: Arthur Henry Cheatle, F.R.C.S.; Frederick Hibbert Westmacott, F.R.C.S.

Discussion on the Aims and Limitations of Intranasal Surgical Procedures in the Treatment of Chronic Non- Discussion on (with the Section of

Suppurative Middle-Ear Disease, opened by Dr P. M'Bride.

Laryngology), the Etiology, Diagnosis, and Treatment of Ethmoidal and Sphenoidal Suppuration, opened by Professor Grünwald.

Discussion on the Indications for and against Ligation of the Internal Jugular Vein in cases of Ottic Pyosepticæmia, opened by Mr Ballance, F.R.C.S.

Bronner, A., M.D.—Apparatus for the Intratympanic Hot-air Treatment of certain Forms of Catarrh of the Middle Ear.

Collier, M., M.R.C.S.—Chronic Progressive Deafness.

Elsworth, R. C., M.D.—Remarks on the Anatomy of the Temporal Bone. Grant, D., M.D.—Remarks on Chole-

steatoma of the Middle Ear. Horne, W. J., M.D.—Tuberculosis of

the Ear.

Hutchinson, M.—Instruments to Aid the

Hearing of Incurable Cases of

Deafness and the Instruction of

Deaf Mutes.

Jones, H. E., M.B.—The Surgical Relations of the Facial Nerve in the Temporal Bone.

M'Keoren, D., M.D.—Difficulties and Insufficiency of the Stenosal Theory

of Adenoid Deafness.

Rohrer, Dr F.—On the Relation between the Formation of the Auricle of Anthropoid Monkeys and certain Congenital Malformations of the Human Auricle.

Santi, P. de, F.R.C.S.—A Case of Bezold's Perforation

Spicer, S., M.D.—The Rôle of the Alae Nasi in Normal and Impeded Nasal Respiration, with Special Reference to the Management of the Alar Collapse Factor in Nasal Obstruction.

Thorne, A., M.B.—The Provision in London for the Education of the

Deaf.

Watson, D. C., M.B.—Observations on the Treatment of Deafness of Middle-ear Origin.

Section L. Dermatology.

Officers.—President: Henry Ambrose Grundy Brooke, M.B. Hon. Secretaries: George Herbert Lancashire, M.D.; Arthur Whitfield, M.D.

Discussion on Radiography, X-Ray Treatment, High-frequency Method, Light Treatment, opened by Dr L. Freund.

The Treatment of Psoriasis, opened by Mr M. Morris.

----- Šeborrhæa, opened by Dr N. Walker.

Croker, H. R., M.D., and G. Pernet.—
Treatment of Lupus vulgaris.
Gianetti, Dr.—Early Baldness.
Gilchrist, T. C., M.D.—Blastomycetes.

Johnston, J. C., M.D.—Melanoma.

Macleod, J. M. H., M.D.—Histological Changes in the Skin after Exposure to X-Rays.

Pernet, G.—Note on the Histology of Lupus treated with X-Rays.

— Xeroderma Pigmentosum Tumours. Sequeira, J. H., M.D., and Dr H. Balean.—Lupus Erythematosus.

Waldo, H., M.D.—Dermatitis Herpetiformis.

Section M. Pharmacology.

Officers.—President: Nestor Isidore Charles Tirard, M.D. Hon. Secretaries:
Francis Whittaker Tunnicliffe, M.D.; Albert Hopkinson, M.B.

Discussion on the Undesired and Unexpected Actions of Medicines, including Tolerance and Idiosyncrasy to or Abnormal Results from Ordinary Doses, opened by Sir Lauder Brunton, F.R.S.

The Therapettic Value of Arsenic and the Justification of its Continued Use in the Light of Recent Observations concerning its Toxic Action, opened by Dr Ralph Stockman.

— The Local and General Treatment of Diphtheria, opened by Dr Tirard. Campbell, C., M.R.C.S.—The Materia Medica of the Intratracheal Treatment of Pulmonary Diseases.

Cash, Prof. T.—Japaconitine and Pseudoconitine.

Dixon, W., M.D.—The Question of Injectable Purgatives.

Harper, H., M.D.—Ures in the Treatment of Tuberculosis.

Liebreich, Prof. O.—The Therapeutic Value of Alkaline Waters of the Vichy Type.

--- Contribution to the Toxicology of Tincture of Cantharides.

M' Walter, W., M.D. — Suggested

Standards | Pharmacological |

Preparations.

Marshall, Prof. C. R.—The Action of Heroin and Dionin upon the Respiration.

and J. H. Wigner. - The Pharmacological Action of Mannitol Pen-

tanitrate.

Muthu, Chowry, M.D.—Formaldehyde in the Treatment of Pulmonary Tuberculosis.

Pope, M., M.D.—Arsenic in the Treatment of Chorea.

Tunnicliffe, Prof. F. W.—Synthetic Purgatives: the Purgative Action of Phenolphthalein.

Wells, J. R., M.D.—The Digestibility of Fats and Oils.

Wild, Prof. R. B., and J. N. Platt.-The Action of Acid Solutions upon Blood Vessels.

- The Action of Acid Solutions on the Blood Vessels.

Wilson, A., F.R.C.S.—The Law of Dissolution as Illustrated by the Action of Chloroform.

Section N. Industrial Hygiene and Diseases of Occupation.

Officers. — President: Arthur Whitelegge, M.D., C.B. Hon. Secretaries: William Francis Dearden, M.R.C.S., D.P.H.; Thomas Morison Legge, M.D.

Discussion on the Value of Systematic Medical Examination of Workers in Dangerous Trades - Lead, Mercury, etc., opened by Dr S. King Alcock.

The Granting of Certificates of Fitness to Children and Young Persons Employed in Factories and Workshops, opened by Dr C. A. Greaves, LL.B.

- The Relation of Phthisis to Factory and Workshop Conditions, opened by Mr J. Niven, M.A., M.B.

Campbell, A., M.D., F.R.C.S.—The Granting of Certificate of Fitness, with special Reference to the System of Half-time Employment.

Dearden, W. F., M.R.C.S., D.P.H.-

The Injurious Influence of Fast

Aniline Black Dyeing Processes.

Gwynne, C. A., B.A., M.D.—Systematic Medical Examination of Workers in Lead Processes.

M'Cleary, G. F., M.D., D.P.H.— Incidence of Phthisis among among Laundry-workers.

Moore, C. F., M.D.—Some of the National, Ethical, and Educational Causes of the Deficiency of Labour Hands.

Purdon, H. S., M.D.—Notes on Acneform Eruption of "Doffers,"
Robertshaw, W. M., M.D.—Ganister
Miner's Disease.

Scott, A., M.B.—Medical Examination and Supervision in the Factories.

Watts, T., M.D.—Shuttle-threading as a Source of Infection.

Section 0. Ethics.

Officers.—President: Sam Woodcock, M.D. Hon. Secretaries: James Brassey Brierley, M.D.; Samuel Crawshaw, M.B.; Alfred Cox. M.B.

Discussion on Contract Practice, opened | Jepson, E.-How to Form and how by Mr Alfred Cox, M.B.

Hospital Reform, opened by Mr C. S. Loch.

Gordon, W., M.D.—The Preliminary General Education of Medical Stu-

Horder, T. G., M.R.C.S.—Quackery in relation to the State.

Horsley, Sir V. - The Organisation of a Political Bureau in the British Medical Association.

Hunter, J. H.-Hints on Local Medical Organisation.

to Maintain a Union of Medical Men.

Messiter, M. A., F.R.C.S. - United

Action considered Ethically.

Rentoul, R. R., M.D.—The Formation
of a Fund for the Benefit of Widows and Orphans of Members of the Association.

Tomlin, R. F.—The Vaccination Acts, 1867-1898.

Whitaker, J. S., M.R.C.S.—Medical Organisation.

Section P. Navy, Army, and Ambulance.

- Officers. President: Brigade-Surgeon-Lieutenant-Colonel G. S. Elliston, M.R.C.S. Hon. Secretaries: Captain John Bently Mann, R.A.M.C. (Vol.); Captain William Bridgett Pritchard, R.A.M.C. (Vol.).
- Discussion on Reform in the Army Medical Service, opened by Surgeon - General J. B. Hamilton, M.D., A.M.S.

- The Prevention of Scurvy, opened by Inspector-General A. Turnbull,

M.D., R.N.

The Treatment of Wounded in Naval Actions, opened by Fleet-Surgeon Gilbert Kirker, M.D., R.Ñ.

Colborne, W. J., Staff-Surgeon, R.N.— The Duties of Medical Officers in Connection with a Naval Action.

Giles, Brig.-Surg.-Lt.-Col. P. B .- The Brigade Medical Unit.

Hutton, Surgeon-Major G. A.—Voluntary Aid to the Sick and Wounded in War.

Larking, Surgeon-Captain A. E.—The Position of the Volunteer Regimental Officer.

Porter, Dep.-Insp.-Genl. J., R. N.—Concerning the Red Cross Badge. Roberts, C., F. R. C.S.—The Treatment of Abdominal Wounds.

Sichel, Surgeon G., R.N.—Consumption in the Navy.

Section Q. Tropical Diseases.

Officers.—President: Sir William R. Kynsey, C.M.G. Hon. Secretaries: Brian Melland, M.Sc., M.D.; C. W. Daniels, M.B.

of Beri-Beri, opened by Dr Patrick Manson, C.M.G.

Dysentery, opened by Dr A. Duncan.

Yellow Fever, opened by Mr J. Cantlie.

Bassitt-Smith, P. W., R. N. - Agglutinative Reaction in Malta Fever.

Bentley, C. A.—Kala Azar.

Buchanan, Major W. J., I.M.S.—The Prevention and Treatment of Dysentery in Institutions in the Tropics.

Christy, C., M.B., C.M.—Malaria.
Duncan, A., M.D., F.R.C.S.—The

Prophylaxis of Sunstroke. Dutton, J. E., M.B., Ch.B. (Vict.).—A Trypanosome in Man.

Galli- Valerio, Prof. B .- Bacillus Pestis

and its Relations with B. Pseudo Tuberculosis Rodentum.

Henderson, E., M.D.—Heat Apoplexy. Hyslop, J. A.—Malta Fever.

Discussion on Prophylaxis and Treatment | Low, G. C., M.B.—The Differential of Beri-Beri, opened by Dr Patrick | Diagnosis of Yellow Fever and Malignant Malaria.

Melland, B., M.D., (Lond.).-Malta Fever in the Canaries.

Melland, C., M.D., M.R.C.P.—The Leucocytes in Malaria.

Nightingale, P. A.—The Diseases of Bangkok.
Prout, W. T., M.B.—Filariasis at

Sierra Leone.

Rogers, L., I.M.S.—Tropical Abscess of the Liver and its Relationship to Amorbic Dysentery.

Ross, Beri. F. R. C.S. — Beri Major R.,

Rost, E. R.—The Cause of Beri Beri. Smith, Major F., R.A.M.C.—Enteric Fever in Sierra Leone.

Taylor, M. L., M.D.—Sanitary Work in West Africa.

Williamson, G. A.-Malarial Fever in Cyprus.

List of Papers read before Branches during Session 1901–1902.

(Aberdeen-Aberdeen, Banff, and Kincardine Branch. Bath-Bath and Bristol Branch. Birm.—Birmingham and Midland Counties Branch. Bord.—Border Counties Branch. Camb.—Cambridge and Huntingdon Branch. Dorset-Dorset and West Hants Branch. Dub .- Dublin Branch. Dundee-Dundee E.Y .- East York and and District Branch. E.A.—East Anglia Branch. North Lincoln Branch. Glos.—Gloucestershire Branch. Lancas.—Lancashire and Cheshire Branch. Met. Cos. - Metropolitan Counties Branch. Mid. - Mid. land Branch. N. Eng.-North of England Branch. N. Ireland-North of BRITISH MEDICAL ASSOCIATION—continued. (Branches.)

Ireland Branch. N. Scot. - Northern Counties of Scotland Branch. N. Wales-North Wales Branch. Perth-Perthshire Branch. Reading-Reading and Upper Thames Branch. Shrop.—Shropshire and Mid. Wales Branch. Southern Brauch. S. E. - South-Eastern Branch. S. Mid. - South Midland Branch. S. Wales-South Wales and Monmouthshire Branch. S. W. - South-W. Som. - West Somerset Western Branch. Staff. - Staffordshire Branch. Stirling-Stirling, Kinross, and Clackmannan Branch. Yorks.-Yorkshire Branch.)

Dr. - Medical Diagnosis and Modern Discoveries. Oct. 18. N. Scot.

Addinsell, Dr. -Sterility. May 14. Met. Cos.

Anderson, Mrs G., M. D.—Neurasthenia June 28. E. A.

Arnott, Dr.—Suprapubic Cystotomy for Vesical Calculus. Jan. 17. Bord.

Balding, D. B.—The Coroner's Court, and the Duties of the Medical Profession in Reference thereto. June 26. Camb.

Barnett, Dr N.—Notes on two Cases of

Bubonic Plague occurring on Board

Ship. Jan. 23. N. Ireland.

Beaumont, W. M.—Paralysis of the Accommodation: an a posteriori View of Diphtheria. Apr. 30. Bath.

Blacker, Dr G.—Remarks on the Mechanisms and Management of the Third Stage of Labour. Apr. 15. S. E.

Blair, Dr. —Outstanding Facts Heredity and Environment. June 28. Bord.

The Motor Car in General Practice. Sept. 20. Bord.

Box, Dr.—Some Points in Connection with Ulceration of the Stomach and Duodenum. Nov. 28. Met. Cos.

Briscoe, -.. - Notes of a Case of Mental Disorder accompanied by Suicidal and Homicidal Tendencies. July

4. S.

Brook, W. F.—A New Method of
Dealing with the Peritoneum in
Operations for—(a) Femoral and Inguinal Hernia, and Umbilical Hernia, Nov. 29.

Intubation v. Tracheotomy in

Diphtheria. Apr. 25. S. Wales. Brown, Dr D.—On the Open-Air Treat-ment of Consumption. April 8. W. Som.

Brownrigg, Dr.-Notes of a case of Hyperpyrexia in Typhoid Fever. Oct. 17. N. Ireland.

Bushnall, Dr.—On the Appointment of

Medical Officers of Health. Jan. 14. S. W.

Byers, Prof., and Prof. Sinclair. - Laparotomy Performed twice Successfully on the same Patient for the same Affection. Jan. 23. N. Ireland.

Caley, Dr.—Difficulties of Diagnosis in Inflammatory Diseases in the Region of the Diaphragm. Dec.

10. S. E.

Calvell, Dr.—Notes of Four Cases of
Enlarged Spleen. Oct. 17. N. Ireland.

Campbell, R.—Operative Treatment of Hernia in Children. Jan. 23. N.

Cane, Dr.—Landry's Paralysis. Apr. 30. Bath.

Carson, H.-Diagnosis and Treatment of Mastoid Disease. Nov. 13. Met. Cos.

Cartwright, — .—Ophthalmia Neonatorum. Nov. 15. S. E.

Scarlet Fever. Oct. 18. S. Castle, Dr. -- Mastoiditis

Churton, Dr. - Paramyoclonus Multiplex treated by Subcutaneous Injections of Curare. Oct. 23. Yorks.

· A Plea for Normal Saline. 23. Yorks.

Claremont, Dr. -On a New Pattern

Atomiser. July 4. S.
Clarke, Dr J. M.—Two Cases of Necrosis of Lung, with Recovery. Apr. 24.

- and — Morton, — Glioma of Motor Area of Cortex Cerebri. May 28. Bath.

Corns, Dr J.—Some Points in the Medical Aspect of Oldham. June 26. Lancs. Cousins, Dr W.—Abdominal Tumours.

July 4. S.

Crerar, Dr. - Some Uses of Oxygen Inhalation. Jan. 17. Bord. Cos. Crosby, Dr H. M.—A Case of Complete

Inversion of the Uterus. Apr. 15. Glos.

Darling, Dr J. S.—The Proposed Changes in the Constitution of the British Medical Association. Oct. 17. N. Ireland.

BRITISH MEDICAL ASSOCIATION—continued, (Branches.)

Davies, A. B.—Notes on a Case of Hall, Dr A.—The Light Treatment of Lupus. Jan. 29. Yorks.

Glos. Hallis, Dr.—Some Points regarding

Donald, Dr.-Notes on Cases in S. Africa. April 4. Bord.

Eddowes, Dr. A.—The Treatment of Chronic Eczema. Sept. 6. E. A. Edgecombe, Dr.—Acute Temporary

Obstruction of the Geophagus. Yorks. Oct. 23.

Elliston, Dr W. A.—The Surgical Treatment of Internal Hæmorrhoids. June 28. E. A.

Eustace, Dr.—The Treatment of Heart Disease. Dec. 10. S. E. Farquharson, Dr.—On a Case of Melan-

cholia associated with Visceral Lesion. Apr. 4. Bord. Folker, W. H.—Reminiscences of Fifty

Years of Surgery. Oct. 31. Staff.

Foster, Dr M. G.—Personal Experiences of the Open-Air Treatment of Phthisis at Home and Abroad. June 26. Camb.

Foxwell, Dr.-Some Points in the Prognosis and Treatment of Dilated

Hearts. Jan. 9. Birm. Garrod, Dr J. R.-On C Culex and Anophilus caught in Huntingdonshire. June 26. Camb.

Gordon, Dr W.—Preliminary General Education. Oct. 15. S. W.

Gore, Dr.-Treatment of Phthisis by Intravenous Injections. Nov. 5. Shrop.

Gossage, Dr.—Some Important Points in the Rheumatism of Children. April 18. S. E.

Green, Dr W. E.—Ulcer of the Stomach.

April 18. S.

Green, Dr.—Ruptured Tubal Pregnancy. Jan. 24. S.

Greenwood, T. P.—The Results of

Public Health Acts on the Health of the Rural Population during the

Past 25 Years. June 12. Mid. Grey-Edwards, Dr H.—Septicæmia, with a very High Temperature; Recovery. July 9. N. Wales. Griffiths, Dr.-Colles's Fracture and its

Treatment. June 26. Camb.

Groves, Dr W. H.—Excision of Chronic Gastric Ulcer. May 28. Bath.

Hall, Dr A. — Case of Multiple Cutaneous Tubercles following Cutaneous Tubercles fol Measles. June 26. *Yorks*.

Elephantiasis of Leg. June 26. Yorks.

- Lymphangioma of Skin. June 26.

- Pneumonia, with Transposition of Viscera. June 26. Yorks.

our Milk Supply. Apr. 18. S. Halstead, Dr.—Peripheral Neuritis.

Apr. 12. S. E. Harris, J. D.—Notes of Two Cases of Intestinal Obstruction, with Unusual Features. Oct. S. W.

Heaton, G.—Notes on Five Cases of Gastric Ulcer treated by Abdominal Section and Suture. Apr.

24. Staff. Hughes, R. J.—Treatment of Enlarged Prostate by Vasectomy. July 9. N. Wales.

Hyslop, Dr T. B.—Delusions in the Insane. May 23. Met. Cos.

Jessop, — .—Temporo-Sphenoidal Ab-

scesses following Chronic Otitis Media. June 26. Yorks.

Johnstone, J. P .- An Analysis of 900 Consecutive Cases of Midwifery. July 3. W. Som.

Jones, Dr A.—Advantages of Dilating Bag of Champetier de Ribes. Apr.

25. S. Wales.

Jones, A. L.—On the Re-adjustment of
Contract Pay. Oct. 25. S. · Wales.

Jones, E. H.—Treatment of Corneal Úlcer with Hypopyon. Oct. 3. S. Mid.

Jones, H., M.B.—Inversion of the Uterus. July 9. N. Wales.

Jones, Dr M.—Amyotrophic Paralysis following Joint Injuries. Jan. 14. S. W.

Jones, Dr Mabel. - On Direct Examination of the Female Bladder. Mar. 20. S. E. Jones, Dr T.—Notes on Three Successful

Cases of Nephro-lithotomy. Nov. 29. S. Wales.

Kilner, Dr. -- Advances on Abdominal Surgery. June 28. E. A.

King, Dr P.—Bath Waters and Joint Disease. June 28. E. A.

Lancaster, Dr E. Le C.—On a Case of "Professional Secrecy." Oct. 25. S. Wales.

Lapthorn, Dr. - A Case of Retention of Urine in an Infant, caused by a Rapidly Growing Sarcoma in the Neck of the Bladder. Dec. 10. S. E.

Larking, Dr.—Contract Practice and its Difficulties. Sept. 16. S. E. Lawrie, Dr E. A.—The Administration

of Chloroform. June 12. Mid. Lewis, Dr B. M.—Notes on a Case of

BRITISH MEDICAL ASSOCIATION—continued. (Branches.)

Criminal Abortion. Apr. 25. S. | Norway, Wales.

Lloyd, J. — Appendicitis. Oct. 10. Birm.

Longworth, S. G.—Clinical Observations on the Action of some Suprarenal

Preparations. Apr. 17. E. A. Lowson, Dr. — Imperforate Anus. Nov. 15. E. Y.

Lucas, R. H.—Xeroderma Pigmentosa. June 28. E. A.

Lucy, R. H.—The Treatment of Lupus. Mar. 13. S. W.

Lyell, Dr. - Palpation of Pregnant Uterus. Feb. 14. Perth.

MacAldowie, Dr.—Lead Poisoning in the Potteries. Nov. 28. Staff. Mackenzie, S., M.D.—On the Re-

organisation of the British Medical Association and on certain Proposed Alterations in Medical Education. June 25. Met. Cos. Mackey, Dr.—The Treatment of Acute

Rheumatism with Aspirin. Mar. 20. S. E.

M'Kie, Dr A. B .- Contract Medical Practice. Jan. 29. Bath.

Maclachan, D. — (1) A Case Pyelitis in an Infant Ten Months Old. (2) A Case of Tapeworm.
Apr. 4. Bord.
Major, Dr H.—Post-Graduate Study
of Anatomy. Jan. 29. Yorks.

Martin, C .- Prevention and Treatment of Shock in Abdominal Operations. Oct. 10. Birm.

Mearns, Dr W.—The History of Medicine. Sept. 6. N. Eng.
Merry, Dr.—Nonspecific Perforation

of the Bony Septum of the Nose, the Result of Chronic Inflammatory Changes in the Mucous Membrane of the Periosteum. Nov. S. E.

Moon, Varieties of Rickets and their

Treatment. Sept. 16. S. E. Morse, T. H.—Hysterectomy: Vaginal and Abdomino-Vaginal. Apr. 17.

Morton, -.- Two Successful Cases of Operation for Diffuse Peritonitis from Perforated Appendix. Oct. 30. Bath.

Murdoch, Miss. - Thyroid Treatment of Cretinism in a Child. Nov. 15. E. Y.

Nash, G .- The Distribution of Cancer in North Beds. June 12. S. Mid. Newbolt, G. P.—Abscess of Liver opened through Chest-wall, after

Pyrexia; Recovery. Apr. 9. N. Wales.

Dr. - The Treatment of Typhoid Fever. Oct. 15.

Omerod, Dr.-On Concealed Hæmat-

emesis. Apr. 4. Bord.

Owen, E. — What is Intussusception,
and how should it be dealt with?

July 9. N. Wales.
Parker, Prof. R.—Vesical Calculus and

Lithotrity. Apr. 9. N. Wales. Percival, G. H.—Two Cases of Operation for Stone in the Female. Oct. 3. S. Mid.

Pollard, G. S.—On the Tuberculin Test in Cattle. Nov. 27. Bath.

Potts, -.- Auto-intoxication of Pregnancy. Jan. 9. Birm.

Powers, Dr.-Notes on some Rectal Cases. Jan. 17. Bord. Cos.

Purcell, Dr.—Why we Operate for Cancer. Dec. 17. Met. Cos.
Purscow, Dr.—A Case of Cæsarean Sec-

tion. Oct. 10. Birm.

Pye-Smith, ... Extroversion of the Bladder treated by Peter's Operation. Jan. 29. Yorks.

Partial Gastrectomy. Jan. 29. Yorks.

Raven, —.—Rarer Aspects of Small-pox. Nov. 28. S. E. Reid, Dr W.—Appendicitis. Nov. 28.

S. E.

Renton, Dr C.—Abdominal Section for the Relief of Pain. Oct. 25. Stirling.

Smith Dr W. - Some Problems of Medical Treatment. Nov. 27.

Septicæmic Nephritis. Apr. 30. Bath.

Ringworm of the Eyelid. Jan. Yorks.

The Use of Cuprol in Granular Ophthalmia. June 26. Yorks.

On Injury to Vision in each Eye from Exposure to Eclipse of the Sun. Yorks.
Solly, Dr.—Notes on the Causation of

Rheumatic Arthritis, Oct. 23. Yorks.

Stamell, R. de.-Acute Intestinal Obstruction caused by a large Gall Stone. Nov. 5. Shrops.

Stevens, Dr W. M .- On Latent and Masked Forms of Uræmia. Nov. 29. S. Wales.

On Differential Diagnosis in Continued Pyrexia. Apr. 25. Wales.

Stewart, Dr R.—Sanitary Law and Infectious Diseases Notification. Nov. 8. Perth.

BRITISH MEDICAL ASSOCIATION—continued. (Branches.)

Stirling, Dr R.—Two Cases of Torsion of the Cæcum. Feb. 14. Perth. Rupture of the Urethra. Feb. 14.

Stonham, C., C.M.G.—Some Surgical Experiences of the War. Oct. 17. N. Ireland. Nov. 15. S. E.

Storry, F. W.-Volkmanu's Contrac-tion. Apr. 15. Glos. Sutton, J. B.-Inveterate Retroflexion

of the Uterus. Mar. 13. S. E. Thomas, Dr J. E.—Case of Triplets with Hydramnios. July 9. N. Wales. Thomas, J. L. - Ambulatory Treatment

of Ruptured Tendo-Achillis. Nov. 29. S. Wales.

Thomas, L.—Notes of Seventy Cases of the Kocher-Bassini Method for Inguinal Hernia. Apr. 25. Wales.

Thomson, Dr E. M.—Rupture of the Heart. Feb. 14. Perth. Thresh, Dr J. C.—Diphtheria Antitoxin

and its Uses. Sept. 6. E. A. Tidswell, H. H.—Notes on a Case of

Neurasthenia. Nov. 29. Wales.

Tyson, Dr.—On Broad Lines of Treatment. Apr. 12. S. E.

Vesey, Dr.—Pernicious Anæmia treated by Anti-streptococcus Serum.

Waldo, Dr H.-The Discovery of the Tubercle Bacillus and its Results. June 18. Bath. Walker, Dr H.—The Treatment of Dis-

ease by D'Arsonval's Apparatus.

Oct. 23. Yorks.

Walker, J. C.—Notes of Two Cases treated by a Uric-acid-free Diet.

Oct. 15. S. W.

Waller, A. W.—On a Case of Intestinal Obstruction relieved by opening the Cæcum. Apr. 15. Glos.

Washbourn, Dr. — Small-pox. 13. S. E. Mar.

Watteville, Dr de. - Notes on the Open-Air Treatment of Consumption in the Central Highlands of Scotland. Oct. 18. N. Scot.

Webber, Dr H. W .- The Treatment of Puerperal Septicæmia by Subcutaneous Injections of Anti-streptococcus Serum. Oct. 15.

W. White, Prof. P. J., M.B.—First Year's Medical Course at the University College of North Wales. July 9. N. Wales.

White, S .- Notes on two Cases of Gastric Ulcer treated by Incision. Jan. 29. Yorks.

Relapsing Appendicitis. Jan. 29. Yorks.

Whitwell, Dr G .- Tuberculosis. Nov. 5. Shrop.

Wickham, Dr.—Puerperal Septicæmia. Oct. 3. S. Mid.

Williams, Dr W.—Diplococcal Bronchitis. May 28. Bath.
— On the Diagnosis of German

Measles, Scarlet Fever, and a "Fourth Disease." Óct. Bath.

Williams, Dr W. R.—Successful Case of Inguinal Colotomy for Congenital Defect of the Rectum. Mar. 9. N. Wales.

Wilson, Dr T. S.-Colon Catarrh and Muco-Membranous Colitis. Feb. 13. Birm.

Woollcombe, Dr W .- Enterectomy for Malignant Disease of the Bowel. Jan. 14. S. W.

Young, Dr M'G .- Use of the Linen Bag in Ether Anæsthesia. Oct. 23. Yorks.

SOCIETY OF ANÆSTHETISTS,

20 HANOVER SQUARE, W. (Founded 1893.)

Officers.—President: W. Tyrrell, M.R.C.S. Secretaries: H. Low, M.B.; and G. B. Flux, M.D.

Membership.—The Entrance Fee is half a guinea, and the Subscription half a guinea annually.

Meetings.—The Meetings are held on the first Friday in the months of November, December, February, March, and April, at 8.30 P.M.

List of Papers read during Session 1901-1902.

Blomfeld, Dr J.—Some Points concerning the Complete Relaxation of

Abdominal Walls the under Anæsthetics. May 2.

Crouch, H. C., and E. M. Corner. -Is Chloroform more Dangerous a Large General Hospital. Dec.

than Ether? Consideration of Respiratory Troubles following Operations during 12 Months at Standpoint. Nov. 1.

THE BRITISH BALNEOLOGICAL AND CLIMATO-LOGICAL SOCIETY.

20 HANOVER SQUARE.

- Officers.—President: J. G. Douglas Kerr, M.B., C.M. Hon. Secretaries: S. Sunderland, M.D., 11 Cavendish Place, Cavendish Square, W.; H. Shirley-Jones, M.R.C.S., Droitwich.
- Meetings. -The Annual Meeting and Ordinary Meetings are held on specified dates.
- Membership. Annual Subscription, 10s. 6d.
- Papers read during Session 1901-1902, and published in the "Transactions" or in "The Journal of Balneology and Climatology," the organ of the Society, price 2s. quarterly (Bale).
- the Urine arising therefrom in Relation to Balneological, Climatic, and Dietetic Treatment, opened by Dr Hamilton Cumming. Mar. 19.
 Armstrong, W., M.R.C.S.—Adjuncts
 to Spa Treatment: their Advisability and Value. Jan. 29.

Brunton, Sir L.—Some Health Resorts in the Mediterranean. June 3.

Discussion on Chronic Affections of the | Clippingdale, S. D., F.R.C.S.—The Kidney and Morbid Conditions of | Clay and Gravel Soils of London, and the Relative Advantages of

Dwelling upon them. Dec. 18.

Houchin, E. K.—The Aix Treatment
of Syphilis in London. Oct. 30.

Kerr, D., M.B.—Presidential Address:
A Retrospect of our Society. Oct. 30.

Murray, Dr J.—Note on Hayling Island. Jan. 29.

CLINICAL SOCIETY OF LONDON.

20 HANOVER SQUARE, W. (Founded 1867.)

- Officers. President: Howard Marsh, F.R.C.S. Hon. Secretaries: A. A. Bowlby, C.M.G.; W. Pasteur, M.D.
- Meetings .- Second and fourth Fridays in each month, from October to May inclusive, at 8.30 P.M. The Anniversary Meeting takes place on the fourth Friday in May.
- Membership.—Resident Members: Entrance Fee, £1, 1s.; Annual Subscription, £1, 1s. Non-Resident Members: Entrance Fee, £1, 1s.; Annual Subscription, 10s. 6d.

List of Papers read during Session 1901-1902.

Barker, A. E.-Cerebellar Abscess, with Sudden Paralysis of the Respiratory Centre. Apr. 11.

G. - Appendicitis, with Localised Suppuration. Feb. 14. Barlow, Sir T., Bart., and Dr H. B.

Shaw. - Inheritance of Recurrent Attacks of Jaundice and of Abdominal Crises, with Hepato-Splenomegaly. May 23.

Barnard, H. L.-Simulation of Acute Peritonitis by Pleuro-pneumonia Diseases. Apr. 11.

Batten, Dr R., and L. Guthrie. - Right-Sided Hemi-paresis, with Atrophy of the Left Optic Disc. Oct. 11.

Bryant, T .- Displaced Strangulated Femoral Hernia. Oct. 11. Carwardine, T .- Mode of Origin of cer-

tain Cysts of the Neck. Apr. 11.

Clarke, J. J. - Painful Condition of the Twelfth Pair of Ribs. Oct 11.

Dickinson, Dr L., and Dr W. J.
Fenton. — Lymphadenoma, with
Growths in the Skin. Mar. 14.
Eward, Dr W.—Palpable Systolic

Intercostal Pulsation in a Case of Mitral Stenosis, with Dilatation and Thrombosis of Left Auricle. May 29.

Ewart, Dr W., and Dr J. Owen.—
Horizontal Dilatation of the Left Auricle. May 29.

Habershon, Dr. -Association of Movable Kidney on the Right Side, with Symptoms of Hepatic Dis-

turbance. Dec. 18.

Lockwood, C. B.—Sarcoma of the Synovial Membrane of the Knee. May 29.

Moynihan, B. G. A.—The Operative Treatment of Cancer of the Pyloric Portion of the Stomach. Oct. 25.

Moullin, M.—Ascites Dependent upon Cirrhosis of the Liver. Oct. 11.

Page, H. W .- Arthritis of the Knee. Mar. 14.

Parkinson, Dr J. P.—Glénard's Disease. Oct. 25.

Paton, Dr E. P.—Hair-ball in Stomach of a Child of Nine successfully Removed. Jan. 10.

Robinson, H. B. — Leontiasis Ossea (? Henpuye). Oct. 25. Robson, M.—Radical Treatment of Chronic Intestinal Tuberculosis. Jan. 10.

Sears, -..-Acute Paralytic Dilatation of the Stomach. Mar. 14.

Spencer, W. G .- Congenital Lymphangioma terminating Lympho-Sarcoma. May 29.

Symonds, C.—Pulsating Tumour of the Sacrum. Oct. 25. Taylor, Dr. S.—Congenital Absence of

both Clavicles. Oct. 25.

Thompson, H. E. S.—Arthropathy in a Case of Bronchiectasis. Oct. 25.

Turner, G .- Primary Sarcoma of the Synovial Membrane of the Aukle Joint. May 29.

Tyson, Dr W. J .- Intestinal Obstruction due to Embolus of a Branch of the Superior Mesenteric Artery. Apr. 11.

Wallace, Dr C. S.—Treatment of Wounded Joints. Oct. 11.

Wallis, F. C .- Acute Intussusception.

· Hydrops Articuli in the Kneejoint of an Old Man, the Subject of Well-Marked Osteo-Arthritis. Oct. 25.

- Treatment of Intraperitoneal Abscess of the Appendix. Feb.

White, Dr H.—Malignant Endocarditis giving Widal's Reaction.

White, Dr W. H., and C. H. Golding-Bird.—Lumbar Colotomy. May 23.

Wilson, Dr S. T .- The Theory of Compensation in Disease of the Mitral Valve. Dec. 18.

DERMATOLOGICAL SOCIETY OF LONDON,

11 CHANDOS STREET, CAVENDISH SQUARE, W.

(FOUNDED MAY 1882.)

- Officers .- Joint Hon. Secretaries: J. Galloway, M.D., 54 Harley Street, W.; A. Whitfield, 12 Upper Berkeley Street, W.
- Meetings.—Second Wednesday in the month, from October to July inclusive, 5.15 P.M. The Anniversary Meeting takes place the second Wednesday in May.
 - Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

The Transactions and Papers read are published monthly in the "British Journal of \overline{D} ermatology," 1s. monthly (Lewis).

EPIDEMIOLOGICAL SOCIETY OF LONDON, 16 CHANDOS STREET, CAVENDISH SQUARE, W. (Founded 1850.)

Officers.—President: P. Manson, C.M.G., M.D. Hon. Secretaries: H. T. Bulstrode, M.D., 4 The Mansions, Earl's Court, S.W.; J. W. Washbourn, C.M.G., M.D., 6 Cavendish Place.

Meetings.—Third Friday in each month, from November to May, at 8.30 P.M.

Membership.—No Entrance Fee: Annual Subscription, 21s.

Papers read are published in the "Transactions," price 6s.

[No Return.]

THE BRITISH GYNÆCOLOGICAL SOCIETY.

20 HANOVER SQUARE, W. (Founded Dec. 27, 1884.)

- Officers. President: Dr J. Halliday Croom. Hon. Secretaries: A. E. Giles, M.D., B.Sc., 37 Queen Anne Street, W.; C. Ryall, F.R.C.S., 51 Queen Anne Street, W.; J. Swanton, M.A., M.D.
- Meetings. Second Thursday in each month, from October to July inclusive, at 8 P.M. Anniversary Meeting second Thursday in January.

Membership. —Annual Subscription, 21s.

Principal Papers read during Session 1901-1902.

Croom H. — Deciduoma

Malignum. Apr. 10. Macnaughton-Jones, Dr. - Notes of (1) Tuberculosis of Left Fallopian Tube; (2) Hernia following Coliotomy, treated by Suture; (3) Solid Tumour weighing twentyeight lbs. attached to Broad Ligament and Uterus. Oct. 1.

- Notes of a Case of Miscarriage and

Difficult Labour after Ventrifixation. Apr. 10.

Macnaughton-Jones, Dr.-Notes of a Case of Albuminuria. June 12. Snow, H.—Is there any real Deciduoma

Malignum? June 12. Travers, Dr. -A Case of Fibroid Tumour Simulating Appendicitis, and causing Intestinal Obstruction.

HARVEIAN SOCIETY OF LONDON,

Oct. 1.

STAFFORD ROOMS, TITCHBORNE STREET, EDGWARE ROAD, W. (FOUNDED 1831.)

- Officers.—President: J. B. Lees, M.D., F.R.C.P. Hon. Secretaries: H. C. Phillips, M.R.C.S., 262 Gloucester Terrace, Hyde Park, W.; and E. H. Cantley, M.D., 15 Upper Brook Street.
- Meetings. Fortnightly, from the third Thursday in October to the third Thursday in May, at 8.30 P.M. The Annual Meeting takes place in January.
- Membership.—Annual Subscription, 10s. 6d.; Entrance Fee, 10s. 6d.; Life Composition, £6. 6s.

Principal Papers read, excluding Clinical Evenings, during Session 1901–1902.

L.—On the Practical | Williams, C.—Hæmaturia in Children. Bowles, R Treatment of Functional Vaso: Oct. 17. Motor Disturbances. Apr. 10.

HUNTERIAN SOCIETY,

LONDON INSTITUTION, FINSBURY CIRCUS, E.C. (FOUNDED 1819.)

Officers. - President: A. L. Galabin, M.A., M.D. Secretaries: J. H. Targett; T. G. Lyon, M.D.

Meetings. - Second and fourth Wednesdays in each month, from October to April inclusive, at 8.30 P.M. The Anniversary Meeting takes place in February.

Membership. — Annual Subscription. 21s. for Resident: 10s. 6d. for Non-Resident Fellows.

Principal Papers read during Session 1901-1902.

Ross, Dr D.—Milky Ascitic Fluid from | Smith, Dr F. J.—Congenital Pulthe Pancreas of a Patient who had monary Systolic Bruit. Oct. 23. died of Cancer of the Pancreas. - Enlarged Cervical Glands. Oct. Oct. 23. 23. Sequeira. Dr.—An Unusual Case of

 Multiple Attacks of Ascites. Oct. 23.

WEST KENT MEDICO-CHIRURGICAL SOCIETY,

MILLER HOSPITAL AND ROYAL KENT DISPENSARY, GREENWICH. (FOUNDED 1856.)

- Officers. President: T. C. Meggison. Secretary: J. P. Henry, M.D., 41 Welbeck Street, W.
- Meetings. —First Friday in each month, from October to May inclusive (but excluding January), at 8.45 P.M. The Anniversary Meeting takes place in October.
- Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.; Life Membership, £5, 5s.
- List of Papers read from February 1901 to May 1902, and published in "Transactions."

Apr. 4.

Rodent Ulcer. Oct. 23.

Goodhart, J. F., M.D. — General Practice: an Original Research. Dec. 6.

Meggison, T. C., M.D.—Presidential Address on "Migraine." May 2.

Gardner, G. B.—Paper Introducing Scholefield, R. E., M.B.—Some Cases
Discussions on "Anæsthetics." of Feigned and Functional Disease. Feb. 7.

Williams, G. C., F.R.C.S.E.-High Frequency Electrical Currents in the Treatment of certain Diseases. Nov. 1.

LARYNGOLOGICAL SOCIETY OF LONDON, 20 HANOVER SQUARE.

Officers.—President: E. Cresswell Baber, M.B., L.R.C.P. Secretaries: C. A. Parker, F.R.C.S., 141 Harley Street, W.; J. Donelan, M.B., 6 Manchester Square, W.

Meetings.-First Friday in each month, from November to June inclusive, at 5 P.M. The Annual Meeting is held in January.

Membership.—Entrance Fee, One Guinea; Annual Subscription, One Guinea.

Publication. - Proceedings, published monthly after each Meeting.

The Meetings are chiefly devoted to the Exhibition and Discussion of Clinical Specimens.

MEDICO-LEGAL SOCIETY OF LONDON.

20 HANOVER SQUARE.

- Officers. President: Sir W. J. Collins, M.D., L.C.C. Secretaries: M. M'Callin, M.D.; R. Henslowe, Wellington.
- Objects.—To promote the advancement of Medico-Legal knowledge in all or any of its branches.
- Membership.—Annual Subscription, 10s. 6d.
- Meetings.—Not less than four times a year, on the second Tuesday in October, December, February, and June, and at such other dates as the Council may from time to time determine. The Annual Meeting is held in October.

LIFE ASSURANCE MEDICAL OFFICERS' ASSOCIATION,

11 CHANDOS STREET, CAVENDISH SQUARE, W.

- Officers. President: C. Vivian Poore. Hon. Secretaries: Dr H. Mackenzie, 59 Welbeck Street, Cavendish Square, W.; Dr A. T. Davies, 23 Finsbury Square, E.C.
- Meetings.—First Wednesday in January, March, May, and November, at 8.30 p.m. The Anniversary Meeting is in January.
- Membership. —Legally qualified medical men only eligible. Annual Subscription, 21s. Town, and 10s. 6d. Country Members.

List of Principal Papers read during Session 1901-1902.

Tables and Mortality Returns. June

Beever, Sir H., Bart.—Extracts of Life | Lister, Dr.—The Graphic Expression or Extra Risk. Nov. 6.

Weber, Dr P.—On Fatness, Overweight, and Life Assurance. Mar. 6.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY,

WEST LONDON HOSPITAL, HAMMERSMITH, W. (FOUNDED 1882.)

- Officers.—President: R. W. Lloyd. Hon. Secretaries: Dr E. A. Saunders, 49 Harley Street, W.; Dr C. Buttar, 10 Kensington Gardens Square, W.
- Meetings. First Friday in each month, from October to July, at 8.30 P.M. Annual Meeting in July.

Membership.—No Entrance Fee; Annual Subscription, 5s.

List of Papers read during Session 1901-1902, and published in the "W. London Medical Journal," quarterly, 1s. 6d.

Allan, Dr J.—The Treatment of Malignant Disease by Means of Electrical Lymph: its Origin, Mode of Currents of High Potential Fre-

quency. Apr. 4.

Atkinson, T. R.—The Small-Pox Epidemic. Nov. 1, 1901.

Bidwell, L.—Gall Stones and their

Surgical Treatment. May 2.

Cooper, A.— Presidential Address: The

Treatment of Inoperable Cancer. Oct. 4, 1901.

Lymph: its Origin, Mode of Preparation, and Qualities. Jan. 3.

Eccles, W. M'A.—Some Points in the Morbid Anatomy and Pathology of Appendicitis. Nov. 1, 1901.

Lunn, J. R.—Notes of a Case of Strangulated Femoral Hernia, Herniotomy and Death following Collapse from Perforation of an Ulcer below Seat of Strangulation. May 2. Mortimer, Dr J .- A History of 1000 | Taylor, Dr S .- Gall Stones and their Anæsthetisations. Apr. 4.

Paget, I.—Notes of a Case of Empyema. where Washing out Cavity was followed by Epileptiform Convulsions and Death. May 2.

Medical Treatment. May 2.

Whitfield, Dr A.—Notes of a Case of Peculiar Intolerance of the External Application of Mercury. Apr. 4.

INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.

9 ADELPHI TERRACE.

Officers, -President: T. C. M'Vail, M.D. Hon. Secretaries: H. Kenwood, M.B.; and H. Jones.

Meetings.—Monthly, from October to May. There are ten branches, each of which has regular Meetings.

Membership. -No Entrance Fee; Annual Subscription, 21s.; Associates, 10s. 6d.

List of Papers read during Session 1901-1902, and published in "Public Health," 1s. monthly.

Blyth, A. W.-Ventilation. Oct. 1901. | Kaye, J. R.-Scarlet Fever: How Far Davies, D. S .- Plague Exclusion and Control. Jan. 1902.

Evans, W. A .- The Factory and Workshops Act. 1901. Feb. 1902. Jones, H.-The Tenure of Office of

Medical Officers of Health. 1902.

Statistics Prove or Disprove the Utility of Hospital Isolation. Mar.

Sykes, J. F. J.—Small-Pox and Vaccination in the Metropolis. Nov. 1901.

MEDICAL OFFICERS OF SCHOOLS' ASSOCIATION.

11 CHANDOS STREET, CAVENDISH SQUARE. (Founded 1884.)

Officers. - President: Dr Goodhart. Hon. Secretaries: Dr G. E. Hall, 39 High Street, Eton; Dr F. E. Batten, 33 Harley Street, W.

Meetings. -Twice or thrice a year. The Anniversary Meeting takes place in May. Membership. - Annual Subscription, 10s. 6d.

List of Papers read during Session.

Houston, Dr A. C., D.Sc., F.R.S.E. | Shaw, W. N., F.R.S. - Ventilation Practical Disinfection in Schools. as a Dynamical Problem. Feb. 6. June 19.

MEDICO-PSYCHOLOGICAL ASSOCIATION OF GREAT BRITAIN AND IRELAND,

11 CHANDOS STREET, W. (FOUNDED 1841; INCORPORATED 1895.)

Officers.—President: Oscar F. Woods, M.D. Secretary: Robert Jones, M.D., Claybury, Woodford, Essex.

Meetings.—Quarterly, as may be fixed. The Annual Meeting was held July 25 and 26, 1901.

Membership.—Annual Subscription, 21s.; no Entrance Fee.

Papers read are published in the "Journal of Mental Science," price 21s. per annum.

[No Return.]

METROPOLITAN POLICE SURGEONS' ASSOCIATION. NEW SCOTLAND YARD.

Officers. - President: O. A. Mackellar, F.R.C.S. Hon. Secretaries: F. W. Spurgin, 35 Welbeck Street, W.; A. F. L. Dorin, M.R.C.S., 344 Clapham Road, S.W.

Meetings. -Are held on the third Friday in each month.

Membership, -- Annual Subscription, 5s.

[No Return.]

NEUROLOGICAL SOCIETY OF LONDON.

11 CHANDOS STREET, CAVENDISH SQUARE, W.

- Officers. President: H. W. Page, M.C. (Cantab.), F.R.C.S. Secretaries: W. S. Colman, 22 Wimpole Street, W.; Henry Head, F.R.S., 61 Wimpole Street, W.
- Meetings.—About six annually, on Thursdays, at 8.30 P.M. The Annual Meeting is held in January.
- Membership.—No Entrance Fee; Annual Subscription, 20s.
- The Papers read during each year are published in the organ of the Society, "Brain," Quarterly 4s. (Macmillan). The following were communicated during 1901 and 1902, in addition to numerous shorter contributions.
- Barratt, Dr W .- Changes in the Nervous System in a Case of Old
- Standing Amputation. May 9. Batten, Dr F. E.—Four Cases of Congenital Ataxia in Children. Mar. Ĭ4.
- Specimens from Three Cases of Infantile Paralysis. May 9.
- Buzzard, Dr F.—Atrophy of Arms with Anæsthesia over Distribution of the First Dorsal Root. Mar. 14.
- Clarke, Dr M .- (1) A Case of Pachymeningitis of the Spinal Cord; (2) Changes in the Posterior Columns of the Spinal Cord in a Case of

- Pernicious Anæmia; (3) Tumour of the Right Optic Thalamus. May
- Marris, Dr W. A.-Two Cases Resembling Disseminated Sclerosis. Mar.
- Mickle, Dr W. J.—Inaugural Address: Mental Wandering. Feb. 14. Russell, Dr R. -Syringomyelia with
- Charcot Joint. Mar. 14. Still, Dr.-A Case of Paramyoclonus Multiplex. Mar. 14.
- Turner, Dr J.-A Method of Staining Nervous Tissues in Methylene Blue. May 9.

OBSTETRICAL SOCIETY OF LONDON.

20 HANOVER SQUARE, W. (FOUNDED 1858.)

- Officers. President: Peter Horrocks, M.D. Hon. Secretaries: A. Routh, M.D.; M. H. Jones, M.D.
- Meetings.—First Wednesday in each month, from October to July inclusive, at 8 P.M. The Annual Meeting takes place in February.

Membership. —Annual Subscription, 21s.

- List of Papers read during Session 1901-1902, and published in "Transactions, 25s."
- Doran, —. Pregnancy after Removal of | Doran, —, and Dr C. Lockyer. Sloughboth Ovaries for Cystic Tumour. | Doran, —, ing Fibroid of the Left Uterine June 4.
 - Cornu: Abnormal Relations. Nov.

Observations on their Pathological

Anatomy. May 7. Herman, Dr.—Leukæmia and Preg-

nancy. Oct. 2.

Lewers, Dr A. H. N.—A Case of Primary Tuberculosis of the Cervix, simulating Cancer, and treated by Vaginal Hysterectomy. Apr. 2.

Fairbairn, Dr.—Five Specimens of Lockyer, Dr.—A Case of Chorio-Epithel-Fibroid Tumour of the Ovary, with ioma with Pulmonary Metastases. Jan. 1.

M'Kerron, Dr. - Suppression of Urine

following Labour. Mar. 5.

Sanderson, Dr H.—A Case of Combined
Vaginal and Abdominal Hysterectomy for a Pregnancy of Four and a Half Months, Complicated by Cancer of the Cervix. Dec. 4.

ODONTOLOGICAL SOCIETY OF GREAT BRITAIN,

40 LEICESTER SQUARE, W.C. (INSTITUTED 1856.)

- Officers. President: W. A. Maggs, M.R.C.S. Hon. Secretaries: A. H. Smith, M.R.C.S. (Council); J. H. Mummery (Foreign); William Rushton (Society).
- Meetings. Fourth Monday in each month, from October to June inclusive. The Annual Meeting takes place in June.
- Membership.—For Resident Members: Entrance Fee, £3, 3s.; Annual Subscription, £2, 2s. Non-Resident Members: Entrance Fee, £2, 2s.; Annual Subscription, £1, 1s.

[No Return.]

THE OPHTHALMOLOGICAL SOCIETY OF THE UNITED KINGDOM.

11 CHANDOS STREET, CAVENDISH SQUARE, W.

- Officers.—President: Dr D. Little. Secretaries: Dr W. A. Turner, 13 Queen Anne Street, W.; S. Stephenson, 33 Welbeck Street, W.
- Meetings. Monthly, on Thursdays from October to June inclusive (excepting The Annual Meeting takes place on the first or February and April). second Friday in July.

Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

Publication 1901.—Transactions, Vol. XXI.

PATHOLOGICAL SOCIETY OF LONDON,

20 HANOVER SQUARE, W. (Founded 1846.)

Officers.—President: The Right Hon. Lord Lister. General Secretary: S. G. Shattock.

Meetings.—First and third Tuesdays in each month, from October to May. The Annual Meeting takes place in May.

Membership. —Entrance Fee, 21s.; Annual Subscription, 21s.

Principal Communications made during Session 1901–1902.

Relation to Tuberculosis, opened by H. T. Butlin.

Andrewes, Dr F. W.-Hæmorrhagie Myositis in Enteric Fever. Oct.

Discussion on Lymphædenoma and its | Andrewes, Dr F. W.-A Case of Endocarditis due to B. coli. Nov. 19. The Extraction of Tetanus Toxin from Visceral Organs. Apr. 15.

Barnard, H. L.—Calcified Aneurysm

of the Renal Artery. July 6.

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Barratt, Dr, and Dr R. M. Ralph.-Sylvian Aneurysm. Oct. 15.

Bullock, Dr W .- The Transmission of Hæmolysins from Parent

Offspring. Jan. 21. Cayley, Dr W.—Phlegmonous Gastritis due to Streptococcus Infection. Jan. 21.

Corner, E. M., and S. G. Scott.— Endotheliomata of Lip and Submaxillary Gland. Apr. 29. Eastwood, Dr A. E.—Occurrence of

Pelvic Tumours arising in Adrenal Remains. Jan. 7.

Emanuel, Dr J. G .- Endothelioma of

the Stomach. Apr. 29. Fawcett, Dr J.—"Chyle" Cyst of Mesentery. June 17.

Fletcher, DrН. M. - Dissecting Aneurysm. Oct. 15.

Foulerton, A. G. R -A Case of Pneumococcus Gastritis. Jan.

A Case of Tuberculosis in the

Sheep. Apr. 15.

Grunbaum, Dr O. F. F., and H. D.

Rolleston.—Endotheliomata of the

Cheek and Lip. Apr. 29.

Haldane, Dr J. S.—On a New
Hæmoglobinometer. July 6.

Harden, A .- Isotonic Culture Media. Nov. 5.

Harley, Dr V., and Dr F. Goodbody -Low Proteid Metabolism. Mar. 4.

Harman, N. B.-Pathological Conditions of Veldt Sore. Apr. 15.
Splenetic Enzymes. Mar. 4.

Hedin, Dr S. G.—Proteolytic Enzyme in Fibrin. Nov. 5. Hunter, Dr W.—The Infective Lesions

the Tongue, Stomach, and Intestines in Anæmia. May 20. Hutchison, Dr R.—Chyliform Ascites. Mar. 4.

Johnson, R., and T. W. P. Lawrence. -Endothelioma of Salivary Glands. Apr. 29.

Klein, Prof. E.—The Relation Danysz's Bacillus to the Bacillus of Gaertner. Nov. 19.

Leathes, Dr J. B.—(1) On the so-called Mucous Casts of Mucous Colitis; (2) Digestion of Proteids by Enzyme of Spleen. Nov. 5.

Lucas, A.—The Knee Joints from a Case of Hæmophilia. May 20.

MacFadyean, Dr J.—The Immunisation Cattle against Bacillus Tuberculosis. Nov. 19.

MacFadyen, Dr A., and S. Rowland. (1) Investigations on Intercellular Constituents; (2) Methods Employed; (3) some Results obtained as regards the Typhoid Bacillus. Nov. 5.

MacGavin, Dr L. H.—Hydatids of the Gall Bladder. Oct. 15.

Hydatids of the Gall Bladder. May 20.

Mackenzie, Dr A .- B-Hydroxy-Butyric Acid of Urine. Nov. 5.

Malcolm, J. D.-Fibro-Sarcoma of Tail

of Pancreas. Feb. 18.

Martin, Dr S.—Inhibition of the Growth of the Typhoid Bacillus. July 6.

Moore, Dr A .- The Isolation of the Typhoid Bacillus. Nov. 5.

Muir, Prof. R. - The Reactions of the Bone Marrow, and other Leucocyteforming Tissues, in Infections. Feb. 18.

Nabarro, Dr D. -A Case of Gangrene of the Nose, associated with B. pyocyaneus. Nov. 19.
Paterson, H. S.—Dermoid Cyst of the

Inguinal Cord. June 17.

Pernet, G.—Congenital Multiple Sarcomata of the Skin. Apr. 29.

Petrie, Dr G. F.—The Hæmolysis of

Bacillus Pyocyaneus. Nov. 5.

Phear, Dr A. G.—The Bone Marrow in
a Case of Suppuration and Hæmorrhage from the Knee Joint.

Poynton, Dr F. J., and Dr A. Paine. Experimental Production of the Osteo-Arthritic Type of Rheumatoid Arthritis. Jan. 7.

Experimental Arthritis produced by a Diplococcus from Acute Rheumatism. July 6.

Ritchie, Dr J.—The Relation of Resistance to Tetanus Toxin of the Antitoxin Power of Serum. July 6.

Rivière, Dr C.—Meningococcus in a Case of Cerebral Tumour simulat-ing Posterior Basal Meningitis. June 17.

Schölberg, D. H. A.-An Undescribed Purple Pigment in Urine. Mar.

Seligmann, C. G.—Endothelioma of the Soft Palate and Mesentery. Apr.

Shattock, S. G.-A Case of Imperforate Pharynx. Oct. 15.

 Mixed Tumour of the Lower Lip. Apr. 29.

Tuberculosis in a Python. June

Spitta, Dr E. J.-Bacteriology of a Case of Rapidly Spreading Gang-

grene. Jan. 21.

Stewart, Dr P.—Degenerations following Tranverse Lesions of the Cord. July 6.

Thiele, Dr F. H.-A Brown Pigment in Uring. Mar. 4.

rsfield, Dr J. H. — Pleuro-cesophageal Fistula. Oct. 15. Thursfield,

certain Solid Viscera of the Human

Cesophageal Fistula. Oct. 15.

Waring, H. J.—A New Method of Extracting Tetanus Toxin from Median Nerve. June 17.

Watkins-Pitchford, W.—Pancreatic Tumours. Apr. 29.

THE JENNER INSTITUTE OF PREVENTIVE MEDICINE,

CHELSEA GARDENS, GROSVENOR ROAD, S.W. (INCORPORATED 1891.)

Officers.—Chairman of Council: Rt. Hon. Lord Lister, P.R.S. A. Macfadyen, M.D.

Objects. -(1) To investigate the means of preventing and curing the various infective diseases of men and animals, and to provide a place where researches may be carried on for this purpose. (2) To provide instruction in preventive medicine to medical officers of health, medical practitioners, veterinary surgeons, and advanced students. (3) To prepare and to supply to those requiring them such special, protective, and curative materials as have already been found, or shall in future be found, of value.

Membership.—Donors of £100 or more, and Annual Subscribers of £5 or more.

: THE ROYAL INSTITUTE OF PUBLIC HEALTH.

(FOUNDED 1886; INCORPORATED 1892.)

19 BLOOMSBURRY SQUARE, W.C.

Officers. -- Prof. W. R. Smith, M.D., D.P.H. Secretary; J. Cantlie, M.B., D.P.H.

Meetings.—Third Wednesday in each month. The Annual Meeting takes place in August.

Membership. —Annual Subscription, 21s.

Publication. - Journal of State Medicine, 2s. monthly.

THE SANITARY INSTITUTE

(With which is incorporated the Parkes Museum),

PARKES MUSEUM, MARGARET STREET, REGENT STREET, W. (Founded 1876; Incorporated 1888.)

Officers.—President: H.R.H. the Duke of Cambridge, K.G. Chairman of Council: A. Wynter Blyth, M.R.C.S. Treasurer: Prof. W. H. Corfield, M.A., M.D. (Oxon). Registrar: G. Vivian Poore, M.D., F.R.C.P. Secretary: E. White Wallis, F.S.S., Parkes Museum, Margaret Street, W.

Meetings. - Second Wednesday in each month from December to April (except January). Annual General Meeting, March. Lectures and Demonstrations for Sanitary Officers are held in the Spring and Autumn.

Membership .- For Members the Annual Subscription is £2, 2s., and for Associates £1, 1s.; but Members and Associates holding certain qualifications only pay half the ordinary rate of Subscription.

Publication. - Journal, published quarterly, price 2s. 6d.; and Supplement to the Journal, quarterly, 1s.

Papers and Lectures read during 1901, and published in the "Journal," Vol. XXI.

Report on the Work of the Committee | Childs, C., M.A., M.D.—Ventilation: appointed by the Sanitary Institute of Great Britain to practically Test

Ventilating Exhaust Cowls.

Blashill, T., F.R.I.B.A.—The State of London Streets.

Success and Failure of the Methods at present in Use.

Kenwood, H. R., M.B., L.R.C.P., F.C.S., and W. Butler, M. B., C.M.— Sewage Purification and Standards of Purity.

Communications made at the Conference of Water Supply and River Pollution.

C., F.C.S.—The Rights of | Underground Pumping in relation to Flow of Neighbouring Streams.

Cochrane, Miss C.—Village Water Supplies.

Greenwood, A., M.D., D.P.H.—The
Desirability for Reports on the
Water Supply of each County.
Kenwood, H. R., M.B., F.I.C.—A
Note with Reference to Water

Standards.

Leigh, A. G.—The Control of Weirs and Dams on Streams in relation to River Pollution.

Mill, H. R., D.Sc., F.R.S.E.—Rainfall and Population of England and Wales in relation to Water Supplies.

Parry, J., M. Inst. C. E.—The Protection of Water-Sheds.

Rideal, S., D.Sc., F.I.C.—The Purification of Water.

Robinson, Prof. H., M. Inst. C. E. -Water Supply and River Pollu-

Russell, H. W.—Prevention of Pollution within the Thames Watershed.
-— Thames Water Supply and

Storage.

Seaton, E. C., M.D., F.R.C.P.—The Protection of Underground Sources of Public Water Supply.

Thresh, J. C., M.D., D.Sc.—Water Supply of Isolated Cottages and Small Groups of Cottages.

Verney, F.—The Value of Soft Water.
Williams, W., M.A., M.D.—The
Rivers of Glamorganshire, with Remarks on the Rivers of Adjacent Counties.

NEW SYDENHAM SOCIETY. (FOUNDED 1858.)

Officers.—President: Stephen Mackenzie, M.D. Treasurer: Saunders. Hon. Secretary: Jonathan Hutchinson, F.R.S., 15 Cavendish Square, W. Agent: H. K. Lewis, 136 Gower Street, W.C.

Meeting.—The Anniversary Meeting is held at same place and time as the Meeting of the British Medical Association.

Membership.—Annual Subscription, 21s.

Publications during 1901 and 1902.—Vol. CLXXIII., Selected Essays, etc., from English sources. Vol. CLXXIV., Von Limbeck's Pathology of the Blood, translated by Dr Arthur Latham and Dr Nachbar.

ST MARY'S HOSPITAL MEDICAL SOCIETY,

ST MARY'S HOSPITAL MEDICAL SCHOOL, PADDINGTON, LONDON, W. (FOUNDED 1866.)

Officers. - President: A. P. Luff, M.D. Secretaries: A. E. Hodder and M. F. Kelly.

Meetings.—Alternate Wednesdays during the Winter at 8.15. The Anniversary Meeting takes place on the second Wednesday in March.

[No Return.]

UNIVERSITY COLLEGE MEDICAL SOCIETY,

GOWER STREET, W.C. (FOUNDED 1828.)

Officers. - President : C. Bolton, M.D., B.Sc. Hon. Secretaries : A. M. H. Gray ; George Hall.

Meetings. - Alternate Wednesdays of month during the Session, at 8.30 P.M. The Anniversary Meeting is held on October.

Membership.—Subscription for 5 years, 30s.; for 3 years, 21s.

List of Papers read during Session 1901-1902.

liss, W. M., M.A., D.Sc.—
Efferent Impulses in Posterior Roots. Nov. 27.

Bolton, C., M.D., B.Sc.—Some Clinical

Aspects of Diphtheria. Feb. 19.

Bradford, Prof. J. R., F.R.S.—The
Relation of Biology to Medicine.
(British Medical Journal.) May

Heath, C., F.R.C.S.—Fifty Years of Medical Study. (Vide Lancet.) Oct. 16.

Heath, P. M., M.B., M.R.C.S.—The Anatomy of the Superficial Lym-

phatics. Jan. 22.

Jones, A. E., M.B., M.R.C.S.—The
Plantar Reflex. Jan. 8.

Pernet, G., M.R.C.S., L.R.C.P.-Vaccination Rashes and their Com-

plications. Mar. 19.
Scharlieb, H. J., M.D., F.R.C.S.,
C.M.G.—Acute Abdominal Pain.

Jan. 8.
Shaw, H. B., M.D., M.R.C.P.—The Leucocytic Changes following Intravenous Injection of Cinnamate of Soda. Nov. 27.

Stallard, N. F., M.B., M.R.C.S.—A Case of Erythromelalgia. Jan. 22.

Thiele, F. H., M.D., M.R.C.P.—Some Pigmants of Union Mark.

Pigments of Urine. Mar. 5.

Trotter, W. B. L., M.D., M.S.,
F.R.C.S.—Deformities of the Neck of the Femur. Nov. 13.

COUNTRY.

BRADFORD MEDICO-CHIRURGICAL SOCIETY,

BRADFORD ROYAL INFIRMARY. (Founded 1863.)

Officers .- President : F. Farrow, Manningham Lane. Hon. Secretaries : H. J. Campbell, M.D.; C. T. Althorp, M.B., Churchbank.

Meetings.—First Tuesday in each month, from October to June inclusive. The Annual Meeting takes place in June.

Membership.—No Entrance Fee; Annual Subscription, 10s. 6d.

[No Return.]

BRISTOL MEDICO-CHIRURGICAL SOCIETY, UNIVERSITY COLLEGE.

Officers. - President: G. Munro Smith, M.R.C.S. Hon, Secretary: J. Paul Bush, C.M.G., M.R.C.S., Vyvyan House, Clifton Park, Clifton.

Meetings.—Second Wednesday in each month, from October to May inclusive, at 8 P.M. The Anniversary Meeting is held in October.

Membership.—No Entrance Fee; Annual Subscription, 21s. The Libraries of this Society and of the Faculty of Medicine of University College, Bristol (over 20,000 vols. and 230 current Periodicals), form the Bristol Medical Library, open to Members of the Society.

- Publication during 1901 and 1902.—Bristol Medico-Chirurgical Journal. quarterly, 1s. 6d.
- List of Papers read during Session 1901-1902. Those marked * are published in the "Bristol Medico-Chirurgical Journal."
- of Disease of the Throat, Nose, and Ear during the past Twenty Years. * Oct. 9.

Bush, J. Paul, C.M.G., M.R.C.S.— Gastro-jejunostomy.* Dec. 11. Clarke, J. Michell, M.D., and Newman

Neild, M.B.-Tuberculous Pericarditis with Effusion. Apr. 9.

Davies, D. S., M.D.—Black Small-Pox.* Jan. 8.

Edgeworth, F. H., M.B.—Transient Renal Hæmorrhage due to Chill. Jan. 8.

Fisher, T., M.D.—The Healing of Tuberculous Lesions of the Brain. Apr. 9.

Groves, E. W. H., M.B.—Fibroid of Uterus removed Two Years after Double Ovariotomy. Feb. 12. Klein, Prof. E., F.R.S.—Plague.* Mar.

Baron, J. B., M.B.—The Progress Morton, C. A., F.R.C.S.—Operations in the Diagnosis and Treatment for Tumours of the Thyroid Gland. May 14.

Newnham, W. H., M.B.-Sloughing Fibroid removed by Abdominal Hysterectomv. Apr. 9. Prichard, A. W., M.R.C.S.—A Care

of Intussusception. Dec. 11.

Pylorectomy. May 14.

Rogers, B., M.D.—Cirrhosis of the Liver in a Child. Feb. 12.

Rose, F. H., M.R.C.S.—Kélène as a General Anæsthetic.* Dec. 11.

Swayne, W. C., M.D.—Three Cases of

Abdominal Section. Nov. 13. Symes, J. O., M.D.—Some Urinary Infections, with Special Reference to their Treatment by Urotropin.* Jan. 8.

Taylor, Jas., M. R. C.S.—X-Rays in the Diagnosis of Renal Calculus." Nov. 13.

CAMBRIDGE MEDICAL SOCIETY.

ADDENBROOKE'S HOSPITAL, CAMBRIDGE.

Officers. - President: F. Deighton, M.B., M.R.C.S. Hon. Secretary: Dr A. E. Ingle, Downing Grove.

Meetings.—First Friday in each month from November to July (except January). at 2.30 P.M. Annual Meeting first Friday in February.

Membership. - Annual Subscription, 5s.

Papers read in November and December 1901, published in the "Proceedings."

Griffiths, Dr.—Specimens from the Jones, Dr L.—A Case of Multiple Transvaal. Nov. 1.

Attacks of Appendicitis. Dec. 6.

Hinnell, Dr. - Gunshot Wound of Eye. Nov. 1.

Ingle, Dr. - Treatment of Suppuration of Middle Ear. Dec. 6.

Michell, -. - Experiences in S. Africa.

Nov. 1. Wherry, -.- Chancre of the Eyelid. Dec. 6.

CARDIFF MEDICAL SOCIETY.

QUEEN STREET. (FOUNDED 1870).

Officers. - President: D. R. Paterson, M.D. Hon. Secretaries: William Sheen, M.S., F.R.C.S., and W. Mitchell Stevens, M.D.

Meetings. - First Thursday in every month from October to May inclusive. Annual Meeting in May.

Membership. —Entrance Fee, £1, 1s.; Annual Subscription, £1, 1s., Country Members, 10s. 6d.

CHESTER MEDICAL SOCIETY,

THE LIBRARY, CHESTER GENERAL INFIRMARY.

(FOUNDED 1883.)

- Officers. President: A. Hamilton, F.R.C.S. Hon. Secretary: W. M. Newall, M.D., 9 Grosvenor Street.
- Meetings. First Friday in each month, from November to July inclusive, at 5 P.M. and 8 P.M alternately. The Annual Meeting second Friday in December.
- Membership .- No Entrance Fee; Annual Subscription, 10s. 6d. Town, and 7s. 6d. Country Members.

List of Papers read during Session 1901-1902.

Elliott, Dr.-Pneumonia. Nov. 1. Hamilton, A .- Case of Cerebral Abscess: Trephining. Jan. 3.

- Discussion upon the Diagnosis of Scarlet Fever. Apr. 4.

Mules, Dr P. H.—On the Action of

some Organic By-products Bacterial Infection (Toxins): Cases and Suggestions for Treatment. Mar. 7. Roberts, Dr J., and J. Taylor. - Appen-

dicitis. Dec. 6.

HUDDERSFIELD MEDICAL SOCIETY AND LIBRARY.

INFIRMARY, HUDDERSFIELD.

- Officers. -- President : Dr T. K. Clarke. Hon. Secretary : C. Rolfe, M.D., Wentworth House, New North Road.
- Meetings. First Tuesday in each month, from November to May inclusive. The Annual Meeting takes place in May.
- Membership.-No Entrance Fee; Annual Subscription: for Town Members, 21s.; for Country Members, 12s. 6d.

[No Return.]

LEEDS AND WEST RIDING MEDICO-CHIRURGICAL SOCIETY,

LEEDS INFIRMARY. (FOUNDED 1872.)

- Officers. President: Dr G. Black. Hon. Secretaries: Dr E. F. Trevelyan, 40 Park Square; L. Knaggs, 27 Park Square.
- Meetings. About twelve Meetings are held on Fridays during the Session, at 7.30 P.M. The Annual Meeting takes place on the first Friday in May.
- Membership. Annual Subscription: for Leeds Members, 21s.; for County Members, 10s. 6d. No Entrance Fee.

[No Return.]

LEICESTER MEDICAL SOCIETY.

THE LIBRARY, 4 GALLOWTREE GATE, LEICESTER.

(FOUNDED 1800.)

Officers.—President: F. W. Bennett, M.D. Secretaries: A. V. Clarke, M.D., Norwood House, London Road; R. W. Henry, M.D., 6 Market Street; A. V. Clarke, M.D., 57 London Road.

Meetings. - First Friday in each Winter month from October to April. 8 P.M. Membership.—Entrance Fee, 21s.; Annual Subscription, 21s.

List of Papers read during Session 1901-1902.

Bennett, F. W., M.D.-Medicine and Legislation a Forecast. Oct. 4.

Blakesley, H. J., and R. Sevestre, M.D. -Notes on a Case of Deciduoma Malignum. Jan. 17.

Hancock, H. R. - Notes on Six Months' Work at an Isolation Hospital.

Apr. 4.
Pope, F., M.D.—Feeble-mindedness in

Children: its Diagnosis and Treatment. Dec. 6.

Sèmon, Sir F. - Medico-Social Subjects. Feb. 7.

Stonham, Major. - South African Experiences with the Imperial Yeomanry Field Hospital. Nov. 1. Washbourne, J. W.—Scientific Medicine. Mar. 7.

THE CLINICAL SOCIETY OF MANCHESTER.

PALATINE HOTEL. (FOUNDED 1885.)

Officers. - President: F. A. Southam, M.B., F.R.C.S. Hon. Secretary: J. H. Ray, F.R.C.S., 22 St John Street.

Meetings. -Third Tuesday in each month, from October to April inclusive, at 4.15 P.M. The Annual Meeting takes place in October.

Membership. - Annual Subscription, 10s. 6d.

[No Return.]

MANCHESTER MEDICAL SOCIETY,

THE OWENS COLLEGE. (Founded 1834.)

Officers .- President: T. Harris, M.D., F.R.C.P. Secretary: J. E. Platt, M.S., F.R.C.S., 191 High Street, Oxford Road.

Meetings.—First Wednesday in each month, from October to April, at 8.30. The Annual Meeting takes place in January.

Membership. -- Annual Subscription, 21s.; No Entrance Fee.

List of Papers read during Session 1901-1902.

Ashby, H., Feb. 5.

Bishop, E. S., F.R.C.S.-Intussus-

ception. Apr. 9.
Collier, J., F.B.C.S.—Intraperitoneal Rupture of the Bladder. Apr. 9.

Cox, J. J., M.D. — Headache. Apr.

Donald, A., M.D.—Oophorectomy for Mammary Cancer. Dec. 4.

Dreschfeld, J., M.D. - Hodgkin's and Splenic Anæmia. Disease

Griffith, A. H., M.D.-Frontal and Ethmoidal Mucocele. Mar. 5.

M.D. — Stethoscopes. T., Harris, Dec. 4.

Lea, A. W. W., M.D.-Medullary Anæsthesia by Cocaine. Nov. 6.

M.D.—Gastro-Enteritis. Mackenzie, J., M.D.—Pulse Irregularities. Nov. 6.

Montgomery, W. P., F.R.C.S. --(1) Acute Dilatation of the Stomach

and Duodenum. Dec. 4. (2)
Epiplopexy for Ascites. Feb. 5.
Smith, J. W., F.R.C.S.—Excision of
the Clavicle for Sarcoma. Mar. 5.
Southam, F. A., F.R.C.S.—Cholecys-

tectomy and Cholecystotomy. Feb. 5.

Thorburn, W., F.R.C.S.—Appendicitis with Hæmaturia. Nov. 6.

Yonge, E. S., M.D.—Radical Treatment of Malignant Disease of the Larynx. Feb. 5.

Young, Prof. A. H., F.R.C.S.—The Maturation and Segmentation of the Ovum. Oct. 2.

MANCHESTER MEDICO-ETHICAL ASSOCIATION,

64 BRIDGE STREET. (ESTABLISHED 1847.)

Officers.—President: W. Whitehead. Hon. Secretaries: F. H. Westmacott; W. B. Pritchard, 272 Oxford Street.

Meetings.—These are held during the winter months. The Annual Meeting takes place in January.

Membership. -Annual Subscription, 10s. 6d.

PATHOLOGICAL SOCIETY OF MANCHESTER,

THE OWENS COLLEGE.

Officers. — President: A. T. Wilkinson, M.D., M.R.C.P. Hon. Secretary: T. N. Kelynack, M.D., M.R.C.P., 3 St Peter's Square.

Meetings.—Second Wednesday in each month, from October to May inclusive.

The Annual Meeting takes place in October.

Membership. - Annual Subscription, 5s.

MIDLAND MEDICAL SOCIETY.

22 BROAD STREET. (FOUNDED 1848.)

Officers. — President: Edwin Rickards, M.B., F.R.C.P. Secretaries: Dr Kauffmann, 22 Broad Street; C. Martin, F.R.C.S., 103 Newhall Street, Birmingham.

Meetings.—Fortnightly, from October to March inclusive. The Anniversary Meeting takes place in October.

[No Return.*]

NEWCASTLE-ON-TYNE CLINICAL SOCIETY,

THE DISPENSARY, NELSON STREET.

Officers. - President: F. Hawthorn, M.D. Hon. Secretary: T. G. Ouston.

Meetings.—First Thursday in the month during the six Winter months, at 8 P.M., the Annual Meeting being in November.

Membership. - Annual Subscription, 7s. 6d.

NORTH OF ENGLAND OBSTETRICAL AND GYNÆ-COLOGICAL SOCIETY.

Officers.—President: J. B. Grimsdale, M.B. Secretary: E. O. Croft, 33 Park Square, Leeds.

Meetings.—Third Friday of each month at Manchester, Liverpool, Leeds, and Sheffield, in rotation. The Annual Meeting is held in January at Manchester.

Membership. - No Entrance Fee; Annual Subscription, 5s.

NORTHUMBERLAND AND DURHAM MEDICAL SOCIETY,

ROYAL INFIRMARY, NEWCASTLE-ON-TYNE. (FOUNDED 1848.)

- Officers.—President: J. R. Morison, M.B. Hon. Secretaries: T. Beattie, M.D., 3 Ellison Place, Newcastle-on-Tyne; A. M. Martin, M.B., 17 Saville Row, Newcastle-on-Tyne.
- Meetings. Second Thursday in each month, from October to March inclusive.

 The Anniversary Meeting takes place in October.
- Membership. Annual Subscription, 10s.
- Publication.—The Northumberland and Durham Medical Journal, published quarterly.

NOTTINGHAM MEDICO-CHIRURGICAL SOCIETY,

THE GENERAL DISPENSARY, BROAD STREET.

- Officers. President: Dr Wray. Hon. Secretaries: W. M. Willis, F.R.C.S., 24 Park Street; and H. Howitt.
- Meetings.—First and third Wednesdays during Winter months at 8.15 p.m.

 The Annual Meeting takes place in July.

Membership.—Annual Subscription: Town Members, 21s.; Country Members, 5s. [No Return.]

SHEFFIELD MEDICO-CHIRURGICAL SOCIETY,

THE MEDICAL SCHOOL, LEOPOLD STREET. (FOUNDED 1869.)

- Officers.—President: J. Robertson, M.D. Secretary: Dr W. T. Cocking, 305 Glossop Road.
- Meetings. --Alternate Thursdays, from October to April. Annual Meeting takes place in April.
- Membership.—Annual Subscription, One Guinea for residents; half-a-guinea for non-residents.

List of Papers read during Session 1901-1902.

Gwynne, Dr C. N.—Congenital Hypertrophy of Sigmoid Flexure of Colon. Nov. 7.

Hall, Dr A. J.—Varieties of Ringworm Fungus: their Clinical, Microscopical, and Cultural Characteristics, with some Observations as to their Distribution in the Sheffield District. Jan. 30.

Pye-Smith, R. J.—Treatment of Inflammation of Appendix.

Sorby, Dr J.—Notes on the Crôtte Treatment of Pulmonary Tuberculosis. Nov. 7.

White, Dr S.—Treatment of Gall Stones. Mar. 13.

Wilkinson, Dr G.—Fractures of the

Leg. Apr. 10.

Willey, Dr C. H.—Etiology of some
Forms of Gastric Dilatation.
Oct. 10.

WIGAN MEDICAL SOCIETY.

(FOUNDED 1874.)

Officers.—President: T. M. Angior, M.R.C.S. Hon. Secretary: W. Berry, F.R.C.S.I., Park House, Wigan.

Meetings.—First Thursday in April, June, September, and December. The Annual Meeting takes place in February.

Membership. - Annual Subscription, 5s.

Papers read in September and December 1901.

Rees, Dr, and Dr Blair.—On Epidemic | Wallace, Dr J.—On some Lesser Jaundice. Dec. 5. | Gynæcological Ailments. Sept. 26.

SCOTLAND.

EDINBURGH HEALTH SOCIETY,

44 QUEEN STREET. (INSTITUTED 1881.)

Officers.—President: The Rt. Hon. The Earl of Rosebery. Hon. Secretary and Treasurer: R. S. Aitchison, 44 Queen Street.

Meetings.-Weekly during November and December.

Membership.—Annual Subscription, 1s. or more; Life Membership, 21s.

No Lectures were delivered during the past Session.

ROYAL MEDICAL SOCIETY OF EDINBURGH,

7 MELBOURNE PLACE, EDINBURGH.

(FOUNDED 1737; ROYAL CHARTER OBTAINED 1778.)

Officers.—Presidents: A. Murray Wood, M.B., Ch.B.; W. E. C. Dickson, M.B., Ch.B.; J. G. M'Bride, M.B., Ch.B.; G. S. Carmichael, M.B., Ch.B. Secretaries: A. B. Ross, M.A.; C. H. Bosenberg, B.A.

Meetings. - Every Friday at 9 P.M. from October to March.

Membership, -Annual Subscription, 42s.

EDINBURGH MEDICO-CHIRURGICAL SOCIETY.

117 GEORGE STREET. (FOUNDED 1821.)

- Officers.—President: Sir J. B. Tuke. Secretaries: J. M. Cotterill; Dr G. Brown, 3 Chester Street.
- Meetings.—First Wednesday in each month, from November to July inclusive (January excepted, when it is on the third Wednesday). The Annual Meeting takes place in November.
- Membership.—Entrance Fee, £2, 2s.; Annual Subscription, 10s

[No Return.]

EDINBURGH OBSTETRICAL SOCIETY.

5 ST ANDREW SQUARE, EDINBURGH.

Officers.—President: J. Ritchie, M.D., F.R.C.P.E. Secretaries: W. Fordyce, M.D., F.R.C.P.E.; J. Lamond Lackie, M.D., F.R.C.P.E., 1 Randolph Crescent. Meetings.—Second Wednesday in each month, from November to July, at 8 P.M. (April excepted).

Membership.—Entrance Fee, 21s.; Annual Subscription, 5s.; Life Subscription, £5, 5s.

Publication, — Transactions, 10s. 6d.

List of Papers read during Session 1901-1902.

Ballantyne, Dr J. W.—The Problem of the Premature Infant.

Buist, Dr R. C.—Symphysistomy in Practice.

Callander, Dr D. A.—Notes on a Case of Epithelioma of the Vulva. Dewar, Dr M.—The Use and Abuse

of Forceps in General Practice. Fehling, Prof.—Remarks on Diagnostic

Help in Gynæcology.

Hart, Dr B .- A Case of Full-Time Intact Extra-Peritoneal Gestation successfully removed after Five Years' Retention.

The Development of the Amnion and Cord.

The Nature of the Tuberose Fleshy

Haultain, Dr. -- Expulsion of a Dermoid Ovarian Cyst per Vaginam during Labour.

Jardine, Dr.—Hæmorrhage during the

later Months of Pregnancy and Early Stages of Labour.

Kerr, Dr M.—The Separation of the Placenta as studied in Cases of Cæsarean Section.

Kynoch, Prof.—Repeated Ovariotomy. Murray, Dr M.—A Case of Spontaneous Rupture of an apparently Normal Uterus.

- Valedictory Address.

Nicholson, Dr O.—Further Notes on the Use of Thyroid Extract in Puerperal Eclampsia.

Ritchie, Dr J. - A Case of Acute Pyelitis in Infancy.

Sandstein, Dr.—The Movements of the Pelvic Bones during the Operation of Symphysistomy.

Thomson, Dr J.—The Symptoms and Treatment of Acute Pyelitis in Infants.

EDINBURGH MEDICAL MISSIONARY SOCIETY.

56 AND 57 GEORGE SQUARE. (Founded 1841.)

Officers. - President: Dr James Ritchie. Secretary: Dr E. S. Frv.

Meetings. - Second Thursday in each month. The Anniversary Meeting takes place on the fourth Thursday in January.

Publication during 1901 and 1902.—Quarterly Journal on Medical Missions, 1s. per annum.

ABERDEEN MEDICO-CHIRURGICAL SOCIETY.

29 KING STREET. (FOUNDED 1789.)

Officers. - President: D. W. Finlay, M.D. Secretary: J. Marnock, M.D., 2 Bonaccord Square.

Meetings. -First Thursday of each month from November till May, at 8.30 P.M. The Annual Meeting is held in December.

Membership.—Entrance Fee, £3, 3s.; Annual Subscription, £1, 1s.

List of Papers read during Session 1901-1902.

Pneumonia. Mar. 5.
Gordon, Dr J.—Primary Carcinoma of

Pancreas. Dec. 5.

Lister, Dr A. H.—Some Features of Old Age. Apr. 5.

Edmond, Dr G .- The Treatment of | Mackintosh, Dr A. W., and Dr G. Rose.—Disseminated Sclerosis. Dec. 5.

Riddell, Dr J. S .- Surgical Cases. Feb. 13.

GLASGOW MEDICO-CHIRURGICAL SOCIETY.

242 ST VINCENT STREET.

(Founded 1866 by the Amalgamation of the Medical Society, founded 1814, and the Medico-Chirurgical Society, founded 1814.)

Officers. - President: Dr W. G. Dun. Secretary: W. K. Hunter, M.D., 1 Newton Terrace.

Meetings.—First and third Friday of each month from October to May inclusive. Annual Meeting second Friday in May.

Membership.—Annual Subscription, 5s.; No Entrance Fee.

The Papers read before the Society are published in its "Transactions," bi-yearly 10s. 6d., and in the "Glasgow Medical Journal."

GLASGOW OBSTETRICAL AND GYNÆCOLOGICAL SOCIETY,

FACULTY HALL, 242 ST VINCENT STREET. (Founded May 1885.)

Officers. - Hon. President: J. N. Starke, M.D. Secretary: A. W. Russell, M. B., 11 Royal Crescent.

Meetings. - Fourth Wednesday of October, November, January to May, and third Wednesday in December, at 8.30 P.M. The Annual Meeting is in May.

Membership. - Annual Subscription, 7s. 6d.

Publication in 1902.—Transactions, price 7s. 6d. (now due).

Titles of all Papers read before the Society from January 1901 to June 1902.

- Bruce, Dr T. H.—Special Demonstration | Lindsay, Dr J.—A Series of Specimens of Embryological Subjects.
- Dalziel, Dr T. K .- Three Cases illustrating the Influence of Disease of the Ovaries on the Colon. May
- Douglas, Dr C. C.—The Occurrence of Milk Sugar in the Urine of Nursing Women. Nov. 27.

Edgar, Dr J.—The Treatment of Uterine

Fibromyomata. Dec. 18.

Jardine, Dr R.—Purpura Hæmorrhagica in a Case of Vomiting of Pregnancy. Oct. 23.

A Case of Puerperal Septicæmia

from Double Pyo-Salpinx. Nov.

- An Account of Labour in a Case of Uterus Bicornis and Double Vagina. Feb. 26.

- The Treatment of Abortion. Mar.

- A Case of Chondro-Sarcoma of the

Pelvis. Apr. 23. Kerr, Dr J. M. M.—Nine Cases of Successful Cæsarean Section. Feb. 26.

- illustrating the Causes of Abortion. Mar. 10.
- A Series of Lantern Slides of Microscopic Sections of an Early Embryo, illustrating maldevelopment associated with Albuminuria of Pregnancy.

MacLennan, Dr A.—The Examination of the Endometrium by the Finger. May 28.

Parry, R. H.—The Surgical Aspects of the Treatment of Uterine Fibromyoma. Dec. 18.

Reid, Dr W. L.—The Consideration of

some Details in the Operation of Vaginal Hysterectomy. Oct. 23. Renton, Dr J. C.—Cases of Aldominal

Section illustrating Points Interest. Nov. 27.

Russell, Dr A. W.—A Case of Uterus Septus, with Double Vagina, in which Pregnancy was completed. Normal after removal of Vaginal Septum. Feb. 26.

- Cancer of Cervix Uteri in Advanced Pregnancy; Abdominal Hysterectomy. Two Cases of fungating Cancer of Cervix; Vaginal Hys-

terectomy. Apr. 23.

Russell, Dr A. W.—Vesical Irritability
as a Result of Acute Anteflexion of Uterus, and its Relief by Treatment of Anteflexion. Apr. 23.
- Intestinal Foreign Bodies. May

Sloan, Dr S.—Electrical and Medical

Treatment of Uterine Fibromyoma. Dec. 18.

Smyly, Dr W. J.-Treatment of Endometritis. Jan. 22.

Teacher, Dr J. H .- Pathologic Reports (a) Encephalo-Meningocele; (b) Placenta, Membranes of Twins from a Case of Hydramnios. Nov.

GLASGOW SOUTHERN MEDICAL SOCIETY.

15 SOUTH PORTLAND STREET. (FOUNDED 1844.)

Officers. -Hon. President: Sir H. C. Cameron, M.D. President: W. Watson. Secretary: J. F. Orr, M.D., 1 Berlin Terrace, Pollokshields.

Meetings.—Fortnightly, from October to June inclusive, at 6 Carlton Place.

Membership. - Annual Subscription, 5s.

[No Return.]

GLASGOW AND WEST OF SCOTLAND MEDICAL ASSOCIATION,

68 MITCHELL STREET. GLASGOW.

Officers. - President: W. J. Fleming, M.D. Secretary: John Lindsay Steven, M.D., 16 Woodside Place, Glasgow.

Meeting.—The Annual Meeting is held in January.

Membership. - Annual Subscription, 20s.

Publication during 1901 and 1902.—The Glasgow Medical Journal (Macdougall)

[No Return.]

SANITARY ASSOCIATION OF SCOTLAND.

83 BATH STREET, GLASGOW. (FOUNDED 1875.)

Officers.—President: A. Campbell Munro, M.B., D.Sc. Secretary: George Middleton, M.A., LL.B.

Meetings.—When necessary. An Annual Congress is held in the Autumn. In 1901 it will be held at Paislev.

Membership, -Annual Subscription, 5s.; No Entrance Fee.

Examinations. - Examinations for Certificates of Competency in Sanitary Science are conducted by the Association and held each year as follows, viz.: at Glasgow in April, at Edinburgh in October, and at such other time and place as the Board of Examiners may determine. Entrance Fee, £2, 2s. Full particulars from the Secretary.

List of Papers read at the Congress held at Paisley, September 1901, and published in the "Sanitary Journal" and in the "Transactions" of the Association.

Braid, F.—The Scavenging of Towns | Bryce, J. A., M. Inst. C. E.—The Ventilation and Flushing of Sewers. and Villages.

Chalmers, A. K., M.D., D.P.H.—Notes | Glaister, Prof. J., M.D. — Reception on the Amendment of the Law in Relation to Dairies and Milk Supply.

Farquharson, R., LL.D., M.D., M.P.
—Domestic and Official Sanita-

Fyfe, P.—The Advantages and Disadvantages of Housing the Poor of a City in Areas outside the City.

Houses.

Mallinson, J. - The Duty of Local Authorities with regard to Consumption.

Munro, A. C., M.B., D.Sc.—Some Moot Points in the Sanitary Regulation of New Buildings.

Wilson, J. T., M.D., D.P.H.—The Value of Hospital Isolation in the Case of Scarlet Fever.

IRELAND.

ROYAL ACADEMY OF MEDICINE IN IRELAND.

(FOUNDED 1882.)

Officers. - President: Edward H. Bennett. General Secretary: J. B. Story, 6 Merrion Square, Dublin. Foreign Secretary: Sir W. Stokes.

Meetings. - Weekly on Friday, from November to May inclusive. The Annual Meeting takes place in October.

Membership.—Entrance Fee: for Fellows, 21s.; Annual Subscription: for Fellows, 42s. and 21s.; for Members, 21s.; for Student Associates, 5s.

[No Return.*]

DUBLIN SANITARY ASSOCIATION.

42 DAME STREET.

Officers .- President: Charles F. Moore, M.D. Assistant-Secretary: Isaac Yeats, B.A.

Meetings.—The Ordinary Meetings are held every Thursday at 4.30 P.M.

Membership.—Annual Subscription, 10s.

Publication. — Report of Council.

COUNTY AND CITY OF CORK MEDICAL AND SURGICAL SOCIETY.

118 PATRICK STREET, CORK.

(Instituted 1841.)

Officers. - President: Dr H. Corby. Secretary: Dr R. P. Crosbie, 33 South Mall. Meetings.—Second and fourth Wednesdays of each month, from October to May, at 8 P.M. The Annual Meeting is in May.

Membership.—Entrance Fee, 10s. 6d.; Annual Subscription, Two Guineas.

[No Return.]

ULSTER MEDICAL SOCIETY,

THE MUSEUM, COLLEGE SQUARE NORTH, BELFAST.

Officers.—President: Prof. W. Whitla, M.A., M.D. Hon. Secretary: R. Campbell, M.B., F.R.C.S., 63 Great Victoria Street, Belfast.

Meetings.—First Thursday of each month, from November to May inclusive, at 8.30 P.M. The Anniversary Meeting takes place in June.

Membership. -No Entrance Fee; Annual Subscription: for Members living in Belfast, 21s.; for Country Members, 10s. 6d.

Publication. - Transactions. 2s. vearly.

OTHER MEDICAL SOCIETIES.

LONDON.

Abernethian Society, St Bartholomew's Hospital, E.C. Founded 1795. Presidents: W. S. Danks, and C. S. Shrubsall. Hon. Secretaries: H. J. Slade and T. J. Faulder. Esculapian Society, Metropolitan Hospital, Kingsland Road, N.E. Founded 1880. President: Dr.A. T. Davies. Hon. Secretaries: W. C. M'Donnell, 10 Park Lane, Stoke Newlington, N., and R. Brown.

and R. Brown.

Association for the Advancement of Medicine by Research. Founded 1882. President:
Lord Lister. Secretary: Dr Beevor, 136 Harley Street, W.

Association of Public Vaccinators. Founded 1898. President: E. C. Greenwood. Hon. Secretaries: V. A. Jaynes, 157 Jamaica Road, S.E., and A. E. Cope, M.D., 26 Bessborough Gardens, S.W.

Association of Registered Medical Women. Founded 1880. President: Mrs S. Boyd, M.D. Secretary: Miss Clapham, M.B., 65 Richmond Road, Barnsuury, N.

Battersea and Clapham Medical Society. Secretary: W. Carey, 41 Bolingbroke Grove, S.W.

Beckenham and Penge Medical Society. Established 1895. President: Dr Randall. Hon. Secretary: W. B. Paterson, 40 Leicester Square, W.C.

British Dental Association. Incorporated 1880. President: G. Brunton. Hon. Secretary: W. B. Paterson, 40 Leicester Square, W.C.

British Laryngological, Rhinological, and Otological Association. Founded 1888. President:

W. B. Paterson, 40 Leicester Square, W.C.
British Laryngological, Rhinological, and Otological Association. Founded 1888. President:
Dr J. Macintyre. Hon. Secretaries: C. Nourse and Dr Abercromble.
British Medical Temperance Association. Founded 1876. President: Dr G. S. Woodhead.
Hon. Secretary: Dr J. J. Ridge, Carlton House, Enfield.
British Orthopædic Society. Hon. Secretaries: C. Williams, 20 Bedford Square, W.C., and A. F.
Blagg, 28 Caledonian Place, Clifton, Bristol.
British Postal Medical Officers' Association. Founded 1893. President: Dr J. W. Browne.
Hon. Gen. Secretary: R. R. Giddings, M.B., The Chase, Nottingham.
Brixton Medical Society. Founded 1888. Secretary: J. T. Hague, 320 Brixton Road.
Brussels Medical Graduates' Association. Founded 1879. President: Dr A. L. Achard. Secretary:
Dr M. Greenwood, 243 Hackney Road, N.E.
Chelsea Clinical Society. Founded 1887. President: C. A. Morris. Hon. Secretaries: A. E.
Cooper, M.D., 104 Buckingham Palace Road, S.W., and R. Norman, 26 Walton Street, S.W.
Clinical Research Association, Limited. Founded 1894. Secretary: C. H. Wells, 1 Southwark
Street, S.E.

Street, S.E. Corporate and Medical Reform Association. President: G. Jackson. Secretaries: Dr T. R. Taylor

Corporate and alculcar response Association. A secretary: A. J. Harrison, M.B. Hon. and R. B. Anderson.

Dermatological Society of Great Britain and Ireland. President: A. J. Harrison, M.B. Hon. Secretaries: Dr C. H. Thompson, 17 New Cavendish Street, W., and E. G. Little, M.D., 61 Wimpole Street, W.

East Suburban Medical Protection and Medico-Ethical Society, West Ham Hospital. Established 1898. President: F. J. Smith, M.D. Hon. Secretary: F. E. Bromley, 732 Barking Road,

Plaistow, E.

Guild of St Luke. Founded 1864. Provost: G. Cowell. Secretary: C. D. Marshall, 112 Harley

Gulld of St Luke. Founded 1864. Provost: G. Cowell. Secretary: C. D. Marshall, 112 Harley Street, W.
 Guthrie Society, Westminster Hospital. President: P. R. W. de Santi. Hon. Secretaries: Messrs C. Roper and G. L. Bunting.
 Incorporated Medical Practitioners' Association, Moorgate Station Chambers. Founded 1891. President: Dr H. Blake. Hon. Secretary: G. Brown, 6 Gibson Square, N.
 Infirmary Medical Superintendents' Society. Founded 1887. President: F. S. Toogood, M.D. Secretary: Dr W. J. C. Keats, the Infirmary, Havill Street, Camberwell, S.E.
 Irish Medical Schools' and Graduates' Association, 11 Chandos Street, Cavendish Square. Founded 1878. President: W. Alexander, M.D. Hon. Secretaries: Dr J. Stewart, Sneyd Park, Clifton, and J. H. Swanton, 40 Harley Street, W.

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Islington Medical Society. Founded 1850. Hon. Secretary: D. Keele, 14 Highbury Grove, N. King's College Medical Society. Founded 1833. President: R. H. R. Crawfurd. Hon. Secretaries: W. L. Stuart and J. A. Drake.
London and Counties Medical Protection Society, Limited, 12 New Court, Lincoln's Inn, W.C. Founded 1892. President: J. Hutchinson. Hon. Secretaries: Dr H. Woods and A. G. R. Foulerton, 15a Porchester Gardens, W.

London Hospital Medical Society. Founded 1873. President: Dr H. Head. Secretaries: A. B. Soltan and J. H. F. Wilgress

Medical Defence Union, 4 Trafalgar Square, W.C. President: W. S. A. Griffith, M.D. Gen.

Secretary: Dr Bateman.
Middlesex Hospital Medical Society, Mortimer Street. Instituted 1774. President: S. Paget.
Secretary: W. J. Hillier.
New Cross Medical Society. Established 1898. President: C. G. Wallis. Secretary: S. R. R.

New Cross Medical Society. Established 1898. President: C. G. Wallis. Secretary: S. R. R. Matthews, 207 New Cross Road.

North-East London Clinical Society, Tottenham Hospital. President: Dr F. T. Tresilian. Secretaries: H. W. Carson and C. E. Hutt.

North London Medical and Chirurgical Society. President: Dr E. S. Tait. Secretaries: A Wilson, 202 Tufnell Park Road, and A. Whitfield, 12 Upper Berkeley Street, W. Morth-West London Clinical Society. Founded 1894. President: Sir T. L. Brunton. Hon. Secretaries: G. Templeton, 8 Mansfield Street, W., and R. P. Long, 99 Queen's Crescent, N.W. Otological Society of the United Kingdom. Founded 1899. President: Sir W. Dalby. Hon. Secretaries: E. A. Ballance, 106 Harley Street, W., and A. H. Cheatle, 117 Harley Street, W. Plaistow and Canningtown Medical Society. Established 1898. Secretaries: Dr E. P. M'Loughlin, 497 Barking Road, E., and Dr E. Hsy, 240 Victoria Dock Road, E.

Poor Law Medical Officers' Association, 9 Copthall Avenue, E.C. President: Dr Farquharson, M.B. Secretaries: B. Smith and Dr A. P. Beddard.

Pupils' Physical Society, Guy's Hospital. Founded 1830. Hon. President: Sir S. Wilks, Bart. Hon. Secretaries: B. Smith and Dr A. P. Beddard.

St Andrews Gradnates' Association. Founded 1867. President; Sir G. C. Brown, K.C.M.G.,

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M.D. Hon. Secretary: Dr W. Rigden.

St Thomas' Hospital Medical and Physical Society. F.

Hon. Secretaries: H. Mavrogordato and A. C. Birt. Founded 1820. President: H. B. Robinson. Society for the Study of Diseases of Children. Founded 1900. Hon. Secretaries; S. Stephenson, 33 Welbeck Street, Dr C. H. Willey.

Society of Medical Phonographers. Founded 1894. President: Dr Gray. Hon. Secretary: Dr F.

Society of Members of the Royal College of Surgeons of England, 11 Adam Street, Strand, W.C. Founded 1894. President: J. Smith. Hon. Secretary: Dr W. G. Dickinson, West Hill,

Founded 1894. President: J. Smith. Hon. Secretary: Dr W. G. Dickinson, West Hill, Putney, S.W.

South-West London Medical Society. Founded 1893. President: J. Gny. Hon. Secretaries: Dr M. Mackintosh, 51 West Side, Clapham Common, S.W., and Dr J. Hill Stead.

Society for the Study of Inebriety. Founded 1884. President: W. W. Westcott, M.B. Secretary: Dr H. Smith, 18 Harley Street, W.

Sydenham District Medical Society. Founded 1886. President: Dr Robertson, Secretary: Dr H. M. Stewart, Walton House, Lordship Lane, S.E.

United Kingdom Police Surgeons' Association. President: P. Bush, C.M.G. Hon. Secretaries: F. W. Lowndes, M.R.C.S., 40 Knight Street, Liverpool; J. T. J. Morrison, 3 Great Charles Street, Birmingham.

Volunteer Medical Association, 20 Hanover Square. Founded 1883. Hon. Secretaries: Surg.-Maj. J. J. de Z. Marshall, 5 York Buildings, Adelphi.

Willesden and District Medical Society. Founded 1894. President: Dr F. J. Hannan. Hon. Secretaries: J. F. Felce, M.D., 1 Cricklewood Villas, N.W., and L. Bainett, M.D., 23 Hill Grove Road, N.W.,

Woodgreen and District Medical Society. Established 1896. President: Dr C. H. Conolly. Secretary: Dr W. B. Winston, Bounds Green Road, New Southgate, N.

COUNTRY.

Accrington and District Medical Society. Founded 1894. President: Dr Cowie. Secretary:

Accrington and District Medical Society. Founded 1894. President: Dr Cowie. Secretary: Dr E. H. T. Nash, Oakfield House.

Ashton-under-Lyne and District Medical Society. Established 1897. President: Dr Crawshaw. Secretary: Dr J. W. Talent, Welbeck Place.

Association of Certifying Factory Surgeons. Founded 1889. President: Dr W. Patrick. Hon. Secretary: Dr W. F. Dearden, Crumpsall, Manchester.

Bedford Medical Society. Founded 1896. President: Dr J. Waugh. Secretary: W. G. Nash,

Clavering House. Birkenhead Medical Society. Founded 1886. President: Dr J. Pinkerton. Secretary: Dr J. H.

Birkennead Medical Society. Founded 1886. President: Dr J. Pinkerton. Secretary: Dr J. H. Fardon, 59 Grange-Mount.

Birmingham Medical Institute, Edmund Street. Founded 1874. President: B. May. Hon. Secretaries: C. Martin and Dr E. D. Kirby.

Birmingham University Medical Society. Founded 1877. President: W. J. M'Curdie. Hon. Secretaries: Dr D. Heath, Hagley Road, and W. W. Nock.

Blackburn and District Medical Society. Founded 1890. President: Dr J. Brooks. Secretary:

Dr J. Wheatley.

Bolton and District Medico-Ethical Society. Founded 1864. President: Dr Brazil. Hon.

Secretary: Dr H. J. Taylor, 62 St Georges Road.

Bournemouth Medical Society. Founded 1875. President: Dr F. W. Ramsay. Hon. Secretary:

Dr G. A. Reid, Inglewood, Poole Road.

Founded 1875. President: P. E. Miall. Hon.

Bradford and District Medico-Ethical Society. Founded 1875. President: P. E. Miall. Hon. Secretary: A. Manknell, M.B., Plantress House, and W. Horrocks, 157 Manningham Lane. Bradford and West Riding Medical Union. Founded 1901. President: Dr D. Goyder. Hon. Secretaries: W. Mitchell, 21 Park Lane, and J. M'Vasey, 8 Heaton Grove.

Bradford Sanitary Association, 35 Manor Row. President: H. J. Campbell, M.D.

Brighton and Sussex Medico-Chirurgical Society. Founded 1847. President: Dr W. S. Simpson, Hon. Secretary: T. H. Ionides.

Brighton Dental Society. Founded 1886. President: C. B. Stoner. Secretary: S. Read, 12 Old

Steine. Bury and District Medical Society. Dr I. W. Johnson, Brook House. Founded 1895. President: Dr Cranshaw. Secretary:

Colchester Medical Society. Founded 1774. President: Mr Baxter. Secretary: Dr Brown, Headgate, Colchester.

Colliery Surgeons Association. Established 1898. President: W.Duncan, M.D. Hon. Secretary: J. H. Marsh, Moorside, Little Hulton, Bolton.

Derby Medical Society. Founded 1891. President: Dr T. H. Pounds. Secretary: E. C. Green,

27 Friar Gate. Devon and Exeter Medico-Chirurgical Society. Founded 1889. President: J. K. Lewis.

Secretary: Dr Solly, 40 Southernhay, Exeter.
Devonport Medical Society. Hon. Secretary: J. R. Rolston, 5 St Aubyn Street.

Durham University Medical Graduates Association, Founded 1880. President: Dr F. S. Palmer. Hon. Secretaries: H. B. Angus, M. B., and Dr T. O. Wood.

Eastbourne Medical Society. Founded 1883. President: Dr A. Sherwood. Secretary: Dr H. S.

Gabbett, 8 Chiswick Place.

East Sussex Medico-Chirurgical Society. Founded 1851. President: Dr J. W. Batterham.

Secretary: L. E. Jowers, 51 Marina, St Leonards.

Folkestone Medical Society. Founded 1893. President: Dr Tyson. Secretary: Dr Sworder,

West Terrace.

Fylde Medical Society. Founded 1888. President: Dr F. Booth. Hon. Secretary: Dr L. Molloy, Blackpool.

Gainsborough and District Medico-Ethical Society. Founded 1892. President: D. Mackinder, M.D. Secretary: J. E. S. Passmore.

Gateshead Medical Association. Founded 1896. President: J. Todd. Hon. Secretary: A. Cox,

M.B., Cotfield House, Halifax and District Medical Society. Established 1882. President: Dr S. Lodge. Hon. Secretary:

Dr A. Maude.

Harrogate Medical Society. President: Dr G. Black. Hon. Secretary: Dr J. A. Myrtle. Herefordshire Medical Association. Founded 1858. President: P. Chapman, M.D. Secretary: E. Morris, 134 St Owen Street, Hereford.

Hospital Reform Association. Founded 1896. Gen. Secretary: T. G. Horder, 132 Windsor Place, Cardiff

Hull Medical Society. Founded 1889. President: A. Parkin, M.D. Secretary: J. L. Waters, M.B.

Ilford Medical Society. Established 1898. President: Dr P. J. Drought. Hon. Secretary: Dr A. B. Cruikshauk, 32 frosvenor Road.
Ipswi-h Clinical Society. Established 1889. President: J. F. C. Hossack. Hon. Secretary: W.

A. Gibb, 2 Park Place. Isle of Man Medical Society. Established 1899. President; Dr J. A. Wood.

Surg.-Gen. A. Sanderson.

Surg.-Gen. A. Sanderson.

Jersey Medical Society. Founded 1874. President: P. F. Bentlif. Secretary: O. E. B. Voisin,

36 Bath Street.

Kidderminster Medical Society. President: J. L. Stretton. Secretary: Dr O. P. Evans, 22

Church Stree Lincoln Medical Society. Founded 1863. President: W. A. Carline, M.D. Hon. Secretary:

(vacant.)

(vacant.)
Liverpool District Odontological Society. Founded 1895. President: T. Mansell. Hon. Secretary:
J. A. Woods, 76 Mount Pleasant.
Liverpool Medical Institution. Founded 1837. President: E. Browne. Hon. Gen. Secretary: Dr
J. R. Logan, 14 Mount Pleasant.
Manchester and Salford Sanitary Association. Founded 1852. President: Bishop of Manchester.
Secretary: F. Scott, 33 Brazenose Street, Manchester.
Manchester Odontological Society. Founded 1885. President: W. Dykes. Hon. Secretaries:
J. P. Headridge, Oxford Road, Manchester; H. W. Norman, 264 Oxford Road.
Manchester Therapeutical Society. Founded 1896. President: Prof. J. Dreschfeld. Hon. Secretary: Dr R. B. Wild, 96 Mosley Street.
Middlesbrough and District Medical Society. Established 1899. President: Dr Hedley. Secretary: Dr Howell. Grange Bond.

tary: Dr Howell, Grange Road.
Mirfield Medico-Chirurgical Society. Founded 1895. President: Dr J. Steward. Secretary: Dr

L J. Milne Newbury and District Medical Society. Founded 1887. Hon. Secretaries: R. Birch and Dr J. Watson.

North of England Odontological Society. Founded 1894. President; J. Morton. Hon. Secretaries; J. G. Ranken, 14 Grange Crescent, Sunderland; W. D. Moon, 8 Jesmond Road, Newcastle-on-Tyne

Northumberland and Newcastle Medical Association. Established 1899. President: Dr Clark

Newton. Chief Secretary: J. S. M'Cracken, M.B.
Norwich Medico-Chirurgical Society. Founded 1867, President: C. A. O. Owens,

Norman Medico-Chirurgical Society. Founded 1867, President: C. A. O. Owens, Hon. Secretary: Dr H. Crosse, 6 Theatre Street.

Oldham Medical Society. Founded 1882. President: R. L. Sparrow, M.B. Secretary: A. H. Godson, 63 Union Street West.

Oxford Medical Society. Founded 1892. President: Dr Collier. Secretary: Dr Duigan.

Penzance Medical Society. Established 1898. President: Dr J. B. Montgomerie. Hon. Secretary:

R. D. Boase, 5 Morrab Road. Plymouth Medical Society. Founded 1794. President: W. L. Woolicombe. Hon. Secretary:

G. F. Aldons, Chariton House, Preston Medico-Ethical Society. President: Dr I. Sellers. Secretary: Dr Mooney, Winckley

Ramsgate Medical Society. Founded 1883. Hon. Secretary: G. B. Courtney, M.D., 28 Augusta Road

Reading Pathological Society. Founded 1841. President: Dr C. W. Marriot. Hon. Secretaries: Dr J. B. Hurry, Abbotsbrook, and Dr G. F. Murrell, Blenheim Lodge.
Rochdale Medical Society. Founded 1840. President: R. B. Sellers. Secretary: Dr J. A. Moortel 174 President: R. B. Sellers.

Monnaie Meurest Society. Founded 1826. President: J. Reid, M.B. Hon. Secretary: Dr F. St Helen's Medical Society. Founded 1826. President: J. Reid, M.B. Hon. Secretary: Dr F.

Bassett, Hardshaw Street.

Sheffield Association of Licentiates in Dental Surgery. Founded 1833. President: C. Stokes. Hon. Secretary: H. J. Morris, 451 Glossop Rosd.

Southampton Medical Society. Founded 1852. President: Dr W. R. Y. Ives. Hon. Secretaries: Drs W. Hall and W. P. Purvis.

Southport Medical Society. Established 1899. President: Dr C. Pinkerton. Hon. Secretary: Dr R. M. Littler, 29 Hawkshead Street.

Stockport and District Medical Society. Founded 1885. President: Dr Rayner. Secretaries: Dr Moore, Hazel Grove; Dr Bain, Heaton Chapel.

Torquay Medical Society. Founded 1840. President: W. Powell. Hon. Secretary: Dr M. Longs. Jones

Walsall Medical Society. Founded 1880. President: G. A. Phillips. Secretary: J. D. Eastman.
 Warrington Medico-Ethical Society. Established 1896. President: W. J. Peacock. Hon. Secretary: E. E. Bowden, 29 Bold Street.
 West Herts Medical Society. Founded 1849. President: Dr F. Fisher. Hon. Secretary: F. H. Berry, M. D., Watford.
 Widnes and District Medical Society. Founded 1895. President: C. Hutchinson. Hon. Secretary: T. Marche Medical Society.

tary: T. U. Mercer, Hough Green.
Windsor and District Medical Society. Establi
Secretaries: Drs C. R. Elgood and G. E. Hale. Established 1899. President: W. B. Holderness.

Worcestershire Medical Society. Founded 1897. President: A. O. Holbeck. Hon. Secretary: C. Follard, 28 Foregate Street, Worcester.
York Medical Society. Founded 1832. President: Dr J. H. Buchanan. Secretary: Dr E. M.

Smith, 1 Low Ousegate.

SCOTLAND.

- Buchan Medical Society. Founded 1862. President; Dr Fowler. Secretary: Dr G. S. Trail, Strichen
- Caledonian Medical Society. Founded 1881. President: Dr A. C. Clark. Secretary: Dr S. R. Macphall, Rowditch, Derby.
 Clackmannan and Kinross-shire Medical Association. Founded 1837. President: Dr Bell. Secre-

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 tary: Dr Home-Hay, Allos.

 Edinburgh Harvelan Society. Founded 1782. President: R. Farquharson, M.D. Hon. Secretaries: Prof. Crum Brown, 8 Belgrave Crescent, and F. Cadell, 22 Ainsile Place.

 Edinburgh Odonto-Chirurgical Society. Founded 1868. President: C. R. Price. Hon. Secretary: Dr Turabull, 6 Randolph Place.

 Founded 1882. President: Dr Niven. Secretary: Dr C. E. Founded 1882. President: Dr Niven. Secretary: Dr C. E.
- Fifeshire Medical Association. Four Douglas, Winthank House, Cupar. Forfarshire Medical Association. Founded 1858. President: Prof. MacEwan. Secretary: Dr
- G. Halley, 7 Airlie Place, Dundee. Garioch and Northern Medical Association. Founded 1854. President: Dr Nicol.
- tary: Dr Paterson, Inverurie. Glasgow Eastern Medical Society. Founded 1893. President: Dr D. Couper. Secretary: J.

- Glasgow Eastern Medical Society. Founded 1898. President: Dr D. Couper. Secretary: J. Patrick, M.B., 23 Westercraigs, Dennistoun.
 Glasgow Faculty of Medicine. Founded 1824. President: Dr Millar. Secretary: Dr T. S. Meighan, 219 Gallowgate.
 Glasgow Pathological and Clinical Society. Founded 1873. President: H. E. Clark. Hon. Secretary: Dr A. R. Ferguson, 4 Strathallan Terrace, Dowanhill.
 Inverness Medical Society. Founded 1885. President: Dr J. Murray. Secretary: Dr J. M. Moir. Scottish Midland and Western Medical Association. Founded 1872. President: Dr J. Goff. Secretary: Dr C. Crawford, Hamilton.
 Scottish Pour Law Medical Officers' Association. Founded 1895. President: A. Cross. Secre-
- Scottish Poor Law Medical Officers' Association. Founded 1895. President: A. Cross. Secretary: A. M. Murdoch, 51 Adelphi Street, Glasgow.
 Society of Medical Officers of Health for Scotland. Founded 1891. President: Dr Nasmyth.
 Hon. Secretary: Dr W. Robertson.

IRELAND.

Cork Poor Law Medical Officers' Association. Founded 1891. President: Dr D. B. O'Flynn. Secretary: Dr J. Crowly.
Fermanagh Medico-Ethical Association. Secretary: L. Kidd, Enniskillen.
Irish Medical Association Founded 1839. President: Dr A. Meldon. Secretary: Dr Garland.

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Balfour, Prof. I. B.—The Scottish Plant. 'Olour.' Mar. 1902.

Beard, Dr J.—The Track of Heredity in Plants and Animals. Jan. 1902.

Geddes, Prof. P., and R. A. Robertson. -The Problem of the Study of Field Botany with Relation to a

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Goodchild, J. G.—The Origin of the British Flora. May 1902.

Grieve, S.—Notes from the Archives of the Botanical Society on its Origin, History, and Privileges. Apr. 1902.

Harris, Dr F .- Functional Inertiaa Property of Protoplasm.

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M'Andrew, J.—The Botanical Rarities of a Subalpine Parish.

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MacVicar, S. M.—The Hepaticæ of

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Paul, Rev. Dr D., M.A., LL.D.—The Primulaceæ of Europe.

- Report of the Visit of the Scottish Alpine Botanical Club to County

Kerry. Jan. 1902.
Robertson, R. A., M.A., B.Sc.
Latent Life of Plants. B.Sc.—The Feb. 1902.

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Sampson, H. C., B.Sc.—Damage to Trees by Hailstones. Mar. 1902. Stabler, G.—On the Hepaticæ of Bal-

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Willis, J. C., and J. H. Burkill.—The Phanerogamic Flora of Clova Mountains in special Relation to Floral Biology. Dec. 1901.

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